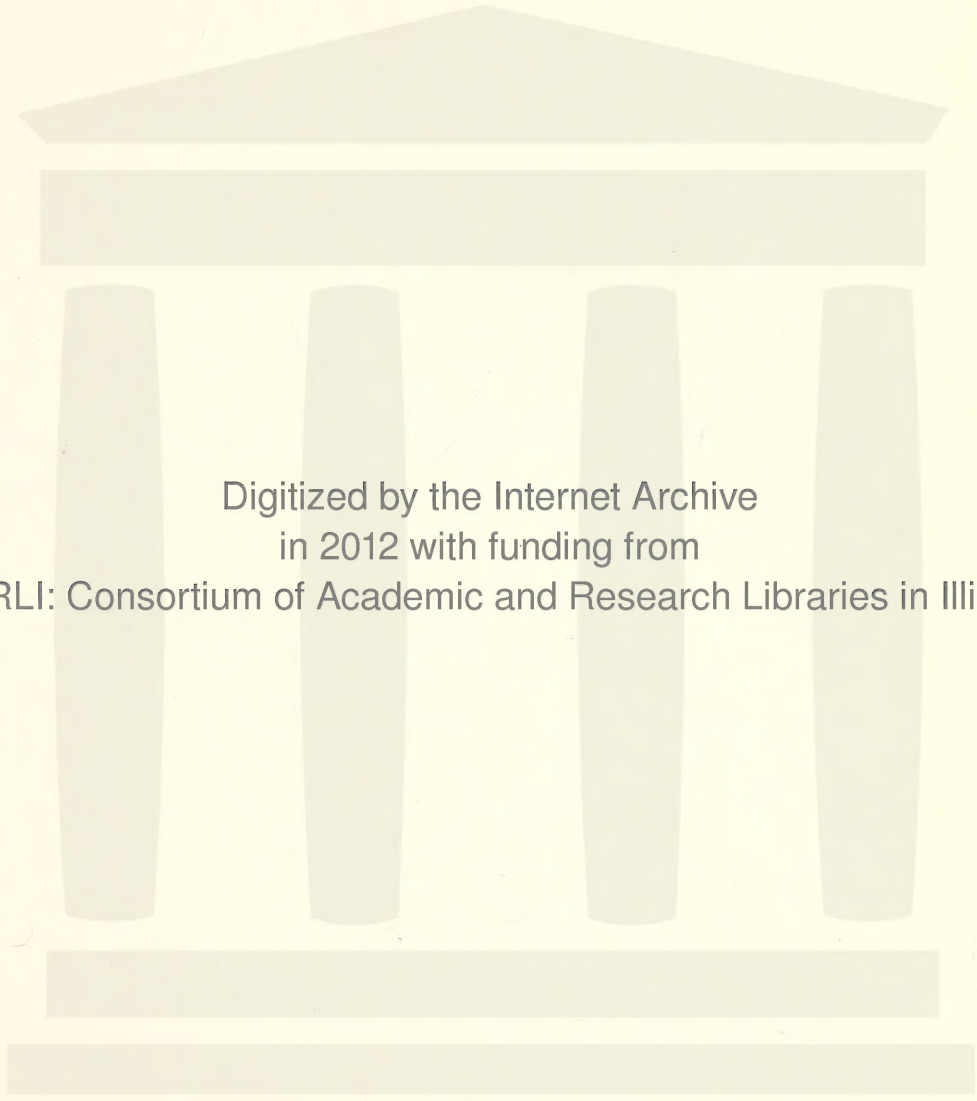

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Southern Illinois University

Bulletin

Schedule of Classes, Spring Quarter, 1970
Carbondale Campus

SIU

This Bulletin

contains the schedule of classes to be offered by the Carbondale Campus for the spring quarter, 1970, at Carbondale, Southern Acres, and Little Grassy Lake. It also provides information relative to admission, advisement, registration, and fees.

Schedule of Classes

Spring, 1970

Carbondale Campus

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 1, January, 1970. Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville, Illinois 62025. Published by Southern Illinois University, Carbondale, Illinois 62901, monthly except February, March, April, and December, when published semi-monthly.

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Registration Calendar
Spring, 1970

Monday, January 26—Thursday, April 9.
Registration period for graduate students. No graduate student will be admitted or readmitted on March 30, 31, or April 1.
Thursday, January 22—Friday, March 13.
Advanced registration period for all undergraduate students. New students should refer to the Advisement and Registration procedure on Page 1 for further procedural information. *All continuing undergraduate students are expected to be registered by March 13.*
Wednesday, March 18.
Undergraduate students will have their advanced registration cancelled if fees are not paid at the Bursar's Office by 4:00 P.M. on this date, unless they have had approval for deferment of fees and presented the deferral fee cards to the Bursar.

Beginning-of-the-Quarter Activities for Undergraduates
The dates listed below from Sunday, March 29 through Wednesday, April 2 are for undergraduates. Graduate students may register through the Graduate School during the dates given above.
Monday, March 30.
Advisement and registration for any non-registered student at the Arena. This is the last date for regular registration. Late fee will be assessed after this date. Night classes (5:45 P.M. or later start.)
Tuesday, March 31.
Day classes start.
Advisement and registration open for program changes *only*.
Wednesday, April 1.
Last day for advisement and registration for the spring quarter. Last day to add a class. Both registrations and program changes will be processed. Late registration fee will be charged. Registration ends at 4 P.M.
Thursday, April 9.
Deadline for payment of fees by students whose fees were deferred. Graduate student registration will be cancelled if fees are not paid at the Bursar by 4:00 P.M.
Friday, April 10.
Last day to withdraw from school to be eligible for a refund of fees. Last day to drop a course to be eligible for a refund if that drop changes fee categories.
Friday, April 24.
Last day for undergraduates to withdraw from a course without receiving a letter grade. Graduate students officially dropping a course after this date need not be given an evaluative letter grade. Last day to change from credit to audit or vice versa for all students.
Wednesday, May 27.
Last day for making a program change or withdrawing from school.

Calendar of Events

March

23, Monday. * Test of English as a Foreign Language

30, Monday. * American College Testing Program (Residual)

April

4, Saturday. * National Teacher Examinations
* Admissions Test for Graduate Study in Business

11, Saturday. * Law School Admission Test
* Graduate English Examination

25, Saturday. * American College Testing Program (National)
* Graduate Record Examination
* Dental Aptitude Test

May

2, Saturday. * ETS Graduate Student Foreign Language Examination

8, Friday. Deadline for Graduation application

16, Saturday. * Dental Hygiene Aptitude Test

22, Friday. Last day graduate students may submit their thesis, dissertation, or research report to the Graduate School to be eligible for June graduation

June

8, Monday. * Test of English as a Foreign Language

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* Preregistration is required. Applicants should contact the Counseling and Testing Center for details at least four weeks before the test.

University Calendar

WINTER, 1970	Quarter Begins	Monday, January 5 *
	Final Examinations	Monday–Saturday, March 16–21
SPRING, 1970	Quarter Begins	Monday, March 30 *
	Memorial Day Holiday	Friday, May 29
	Final Examinations	Monday–Saturday, June 8–13
	Commencement (Carbondale)	Friday, June 12
	Commencement (Edwardsville)	Saturday, June 13
SUMMER, 1970	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
FALL, 1970	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
WINTER, 1971	Quarter Begins	Monday, January 4 *
	Final Examinations	Saturday–Friday, March 13–19
SPRING, 1971	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12

* Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and with the evening classes after 4:30 P.M. on the Edwardsville Campus.

1 / General Information

This bulletin contains the schedule of classes for the spring quarter, 1970, for the Carbondale Campus. It also provides information relative to advisement and registration, fees, and allied information for the Carbondale Campus.

Admission

Inquiries concerning undergraduate admission to the Carbondale Campus should be directed to the Admissions Office; those on the graduate level to the Graduate School. Undergraduate admission applications should be completed at least thirty days in advance of the desired entrance date.

Registration and Advisement

The Carbondale Campus uses an academic advisement system whereby each undergraduate academic unit has a chief academic adviser and a number of assistant advisers selected from the teaching faculty. Undergraduate students entering the University for the first time will receive selective dates from the admission process from which they are to select the preferred date on which they will come to the campus to be advised and to advance register. This includes both freshmen and transfer students. They are not to write for appointments nor are they to come to Carbondale expecting to register unless it is the date indicated for them to do so.

Graduate students will initiate advisement with their advisers, and will complete the registration process at the Graduate School, where all registration forms will be completed and retained. Graduate students will not be required to go through the Registration Center. The registration process is handled at a later time, and the student receives a fee statement by mail. Cancellation of graduate student registrations for non-payment of fees occurs on the date indicated in the Registration Calendar. Graduate students may register during the period indicated in the Registration Calendar. No late fee will be assessed during this period. Graduate students who need to make program changes must follow the same procedure as undergraduate students in that these must be personally processed by the graduate students through the Registration Center.

After advisement the student may register for classes. See the Registration Calendar in this bulletin. Ordinarily, registration offices are open from 8:15 to 11:30 A.M. and 1:00 to 4:30 P.M., Monday through Friday, and from 8:30 to 11:30 A.M. on Saturday.

During the registration process the student goes through the Registration Center where the student assigns himself to specific sections of the courses he is to take.

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class.

New Students

Students entering the University for the first time are permitted to advance register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admission.

New undergraduate students, freshmen and transfer, will be expected to advance register on the same date that they come to the campus for advisement. Dates for students to do so will be selective ones in which the students are asked to come to the campus on specific dates as determined by the University. Students should not expect to be advised and registered on the same date they are admitted nor are they to come to the campus for advisement and registration without an appointment. Appointments for advisement and registration will be mailed from and are to be returned to the Registrar's Office.

New graduate students may register during the registration periods indicated on the registration calendars. Arrangements should be cleared with the Graduate School to do so to assure that the appropriate adviser will be available.

Re-Entering Students

Students who have attended the University at some former time but not during the session immediately prior to the time they plan re-entry are expected to advance register during the periods outlined in the Registration Calendar. After completing readmission procedures (Admissions Office for undergraduate students and Graduate School for graduate students) advisement appointments should be made at the advisement offices of the academic units into which the students are entering and clearance of the registrations should be completed on that same day at the Registration Center.

Current Students, Carbondale Campus

Students currently registered in the University will be continued in their present curricula unless a change of college or major is made. A change of college or major area of concentration is initiated with the student's adviser. Either change should be made at the time of advisement.

Undergraduate students currently registered in the University will schedule appointments with their adviser. Registrations should be processed through the Registration Center as soon after advisement as possible.

Graduate students in a degree program should make appointments with the departmental adviser for program advisement. Unclassified graduate students preparing for a degree program should contact the departmental adviser for pre-advisement. Unclassified graduate students in other categories may report directly to the Graduate School for registration procedure. Unclassified students who are planning to take qualifying courses must report those courses to the Graduate Admissions office *before* registering each quarter.

Current Students, Edwardsville Campus

Undergraduate students attending the Edwardsville Campus who plan to attend the Carbondale Campus must initiate their registration process by presenting to the Admissions Office at Carbondale either an official transcript of their University record or a letter of good standing from the registrar at the Edwardsville Campus. The reason for reporting to the Admissions Office is to permit the necessary coding changes to be made so that pertinent information about their academic programs, etc., can be up-dated to reflect the change of campus. Graduate students report first to the Graduate School.

Payment of Fees

Undergraduate students receive their fee statements at the time of registration. During the advance registration period students are asked to delay paying their fees in person at the Bursar's Office until the day following registration. This is to permit necessary fee information to reach the Bursar by the time of fee payment. Students will find it easier simply to mail the fee statement along with a check or money order for the proper monetary amount to the Bursar's Office so as to arrive there by the deadline dates which are stated in the Registration Calendar located earlier in this bulletin. If students pay fees in person at the Bursar's Office they receive a Certificate of Registration at that time. When fees are paid by mail the Certificate will be mailed to the address given by the student on the back of his fee statement. Students will receive their printed schedule of classes within one week after the cancellation date. It is important that these forms be carried by the students at all times.

Undergraduate students registering at the start of a quarter must pay fees at the time of registration.

Graduate students receive their fee statements by mail and must clear their fees at the Bursar's Office by 4:00 P.M. on April 9.

Fees for A Regular Quarter

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Undergraduate students pay the following regular fees:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	$22.00	$45.00	$67.00
Tuition Fee—Out of State Resident	(69.00)	(137.00)	(206.00)
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
Total—Illinois Resident	$41.50	$79.50	$115.50
Total—Out of State Resident	(88.50)	(171.50)	(254.50)

Students who register for a course for "Audit" or for a non-

credit course will be assessed fees according to the imputed hours of that course. "Imputed hours" is generally the number of hours the class meets per week.

Graduate students do not rent their textbooks and do not pay the book rental fee. They must purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status.

The activity fee is prorated according to the number of hours carried. Health Service benefits vary according to the amount paid. In certain instances graduate assistants, research assistants, graduate fellows, or students on fee code 27 may seek permission from the health service to pay the full activity fee even though they are only part time students. Written consent from the Health Service must be presented at the time of registration so that the student may be properly assessed.

Late Registration

A late registration fee will be charged any undergraduate student registering after the first day of the quarter. Graduate students will not be charged a late fee if they register within the period indicated in the Registration Calendar.

Auditing of Courses

Students may register for courses in an "audit" status. They receive no letter grade and no credit for such courses. An auditor's registration must be marked accordingly. They pay the same fees as though they were registering for credit. They are expected to attend regularly and are to determine from the instructor the amount of work expected of them. If auditing students do not attend regularly, the instructor may determine that the students should not have the audited courses placed on their record cards maintained in the Registrar's Office. Students registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter. Such a change will require the student's academic dean's approval.

Program Changes

Students are officially registered only for those courses appearing on their schedule of classes. Any change therefrom can be made only after fees are paid and must be made through an official program change, which includes the following steps:

1. Initiating the change.
   Students report to their advisers for approval and Program Change form completion. Graduate students must also secure approval from the Graduate School. If the change involves only that of changing sections within the same course, this may be done at the Registration Center without the necessity of securing adviser approval.
2. Registration.
   Students must take the program change form to the Registration Center after approval by the adviser.

Program changes which involve the adding of a new course to the schedule or the changing of sections must be done by the "last day to add a class" as indicated in the Registration Calendar.

Dropping a Course

A program change must be made in order to drop a course. A student may not drop merely by stopping attendance. The last date for dropping a course by an undergraduate student without receiving a letter grade is the last day of the fourth week of a quarter. Graduate students may not necessarily receive a grade for dropping after the fourth week. (Refer to Registration Calendar.)

Changing Fee Status

Students making program changes which result in their moving from one fee status to another will be assessed additional tuition and fees when appropriate. If the change is to reduce the academic load resulting in a lower tuition and fee status, students may apply for the appropriate tuition and fee refund provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar.

Withdrawing from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Registrar's Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter, except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed by Friday, April 10.

A student who advance registers, including paying of fees, and then finds that he cannot attend school must also officially withdraw from school. He may do this either by reporting to the Registrar's Office in person or by writing to the Dean of Students Office. This must be done by the end of the first two weeks, if he expects to get a refund.

Cancellation of Registration

An advance registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Dean of Students.

Personal Data Changes

At the time of registration students are asked to review a Biographic Data Sketch containing personal data. Certain items, if in error, may be corrected at that time. Other items which may require some type of verifying evidence, are changed by reporting to the offices listed below.

1. Local Address Change. Housing Office, Graduate School, Registrar's Office, Registration Center, or VTI Office.
2. Names Changes, Marital Status Changes, Date of Birth Changes. Records section of the Registrar's Office. Verification is required.
3. Selective Service Data Changes or Information. Enrollment, Fiscal Reports, Registrar's Office.
4. Legal Residence Changes (whether an Illinois or out-of-state resident). Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

2 / Schedule of Classes

Listing of Courses

Courses which students are to take to meet the General Studies requirements are listed in the front part of the Schedule of Classes. These courses are listed by the area which they satisfy and within the area by course number and section number.

Departments in which courses are being offered are listed in alphabetical order. Courses within each department are listed in order by course number and section number.

Course Numbers and Hours

The line containing this information shows the number of the course first, followed by the short title and number of hours of credit. Course numbers are three-digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number.

In a variable-hour course the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

000–099	Course not properly in the following categories
100–199	For freshmen
200–299	For sophomores
300–399	For juniors and seniors
400–499	For seniors and graduate students
500–600	For graduate students only

Prerequisite

The prerequisite column lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the number.

Section Number, Time, and Days

The section number is indicated in the first column. The times given indicate the beginning and ending of each class period. Students registering for courses listed as "to be arranged" may obtain times and days from instructor indicated or, if no instructor is listed, from the department chairman offering the course.

Building and Room Number

The following list of building abbreviations will help in the location of classrooms. Buildings are listed alphabetically according to the code used in the class schedule. Temporary buildings are indicated in the schedule by a four digit number.

If a building contains more than one classroom, then the number of the room follows the building's code name.

CODE: BUILDING NAME

ABBOTT: Abbott Hall (T.P.)
AG: Agriculture Building
ALLYN: Allyn Building
ALTG: Altgeld Hall
ARENA: SIU Arena
BAILEY: Bailey Hall (T.P.)
BOAT: Boat Dock
BROWN: Brown Hall (T.P.)
CL: General Classroom Building
COMM: Communications Building
FELTS: Felts Hall (T.P.)
GYM: Gymnasium
HDBALL: Handball Courts
H EC: Home Economics Building
LAWSON: Lawson Hall
LAKE: Lake on the Campus
LIB: Morris Library
LG: Little Grassy Lake
LS 1: Life Science Building
L-APS: Physical Plant
OBF: Old Baptist Foundation
PARK: Parkinson Building

CODE: BUILDING NAME

PHY SA: Physical Science Building A
PHY SC: Physical Science Building C
PIERCE: Pierce Hall (T.P.)
PULL: Pulliam Hall (University School)
PULL I: Pulliam Hall (Industrial Education Wing)
PULL P: Pulliam Hall (Physical Education Wing)
SHRY: Shryock Auditorium
STAD: McAndrew Stadium
TECH A: Technology Building A
TECH B: Technology Building B
TECH D: Technology Building D
TENNIS: Tennis Courts
U CTR: University Center
WARREN: Warren Hall (T.P.)
WHAM: Wham Education Building
WHLR: Wheeler Hall

Temporary Buildings

CODE	LOCATION
0403	1009 S. Forest .....
0412	907 S. Forest .....
0415	807 S. Forest .....
0429	1009 S. Elizabeth ....
0431	1007 S. Elizabeth ....
0432	1005 S. Elizabeth ....
0436	908 S. Forest .....
0437	904 S. Forest .....
0438	900 S. Forest .....
0442	903 S. Elizabeth .....
0448	814 S. Forest .....
0451	810 S. Forest .....
0452	808 S. Forest .....
0453	806 S. Forest .....
0461	811 S. Elizabeth ....
0465	804 S. Elizabeth .....
0481	910 S. Elizabeth .....
0483	1002 S. Elizabeth ....
0485	1006 S. Elizabeth ....
0487	1010 S. Elizabeth ....
0551	CESL .....
0552	CESL .....
0685	506 S. Graham .....
0701	801 S. Washington ..
0720	Corner of Washington and Park St. .....
0721	East of 0720 on Park St. .....
0725	207 E. Pearl .....
0742	204 E. Park .....
0744	208 E. Park .....
0809	South of President's Office .....
0831	Farm Machine Shop—Between Physical Science & Forestry buildings.
0832	Journalism—Between Physical Science & Forestry buildings.
0833	Journalism Annex—Between Physical Science & Forestry buildings.

0834 Cinema & Photography—Between Physical Science & Forestry buildings.
0842 Bot-Zool lab.—General Studies—West of Ag. building's North wing.
0843 Bot-Zool lab.—General Studies—West of Ag. building's North wing.
0857 Design Main Office—East of Comm. building on Campus Drive.
0861 General Classrooms—Southeast of Comm. building on Campus Drive.
0862 General Classrooms—Southeast of Comm. building on Campus Drive.
0864 Zoology Annex 2—Northwest of Ag. building's North wing.
0865 Zoology Annex—Northwest of Ag. building's North wing.
0871 General Classrooms—Southeast of Comm. building on Campus Drive.
0875 General Classrooms—Southeast of Comm. building on Campus Drive.
0889 901 West Chautauqua.

Explanation of Entries

The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the short title and the number of quarter hours of credit.

Second Line: The prerequisite (if applicable).

Section-Number Lines: The first column lists section numbers for courses offered. Following each section number are the time the class begins and the time it ends. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

SCHEDULE OF GENERAL STUDIES COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR

General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)

L01A	INTRO-PHYS SCIENCE		04.0 CR	
1	08.00	M W FS	PARK	124
2	10.00	MT THF	PARK	124
3	12.00	TWTHF	PARK	124
4	02.00	MT TH	PARK	124
	01.00-02.50	M	PARK	317
5	02.00	MT TH	PARK	124
	03.00-04.50	M	PARK	317
6	02.00	MT TH	PARK	124
	10.00-11.50	T	PARK	317
7	02.00	MT TH	PARK	124
	03.00-04.50	T	PARK	317
8	02.00	MT TH	PARK	124
	01.00-02.50	F	PARK	317
9	02.00	MT TH	PARK	124
	10.00-11.50	TH	PARK	317
10	02.00	MT TH	PARK	124
	01.00-02.50	W	PARK	317
11	02.00	MT TH	PARK	124
	03.00-04.50	W	PARK	317
12	02.00	W F	PARK	124
	10.00	S	PARK	124
	10.00-11.50	T	PARK	317
13	02.00	W F	PARK	124
	10.00	S	PARK	124
	03.00-04.50	W	PARK	317
14	02.00	W F	PARK	124
	10.00	S	PARK	124

	01.00-02.50		F	PARK	317	
15	02.00	W	F	PARK	124	
	10.00		S	PARK	124	
	03.00-04.50	T		PARK	317	
16	02.00	W	F	PARK	124	
	10.00		S	PARK	124	
	10.00-11.50	TH		PARK	317	
17	04.00	TWTHF		PARK	124	

GSA 101A, Sections 5-17, meet for 3 lectures and one 2-hour laboratory.

GSA 101A, Sections 1-4 meet for 4 lectures, no laboratory.

101B	INTRO-PHYS SCIENCE			04.0 CR		
1	09.00	T TH S		PARK	124	
	10.00	W		PARK	124	
2	11.00	T THFS		PARK	124	
3	05.45-07.25	M W		PARK	124	
4	07.35-09.15 PM	T TH		PARK	124	
110A	EARTH ENVIRONMENT			04.0 CR		
1	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	M		PARK	213	
2	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	04.00-05.50	M		PARK	213	
3	10.00	M W	F	LAWSON	171	JONES DAVID
	10.00-11.50	T		PARK	213	
4	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	T		PARK	213	
5	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	06.00-07.50 PM	T		PARK	213	
6	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	W		PARK	213	
7	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	04.00-05.50	W		PARK	213	
8	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	08.00-09.50	TH		PARK	213	
9	10.00	M W	F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	TH		PARK	213	
10	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	M		PARK	213	
11	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	08.00-09.50	T		PARK	213	
12	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	12.00-01.50	T		PARK	213	
13	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	04.00-05.50	T		PARK	213	
14	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	08.00-09.50	W		PARK	213	
15	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	W		PARK	213	
16	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	06.00-07.50 PM	W		PARK	213	
17	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	10.00-11.50	TH		PARK	213	
18	11.00	M W	F	LAWSON	171	BERTONI LOUIS
	02.00-03.50	TH		PARK	213	
19	03.00	M W	F	LAWSON	171	JONES DAVID
	08.00-09.50	M		PARK	213	
20	03.00	M W	F	LAWSON	171	JONES DAVID
	10.00-11.50	M		PARK	213	
21	03.00	M W	F	LAWSON	171	JONES DAVID
	06.00-07.50 PM	M		PARK	213	
22	03.00	M W	F	LAWSON	171	JONES DAVID
	10.00	W		PARK	213	
23	03.00	M W	F	LAWSON	171	JONES DAVID
	12.00-01.50		F	PARK	213	
24	03.00	M W	F	LAWSON	171	JONES DAVID
	06.00-07.50 PM	TH		PARK	213	
25	03.00	M W	F	LAWSON	171	JONES DAVID
	08.00-09.50		F	PARK	213	
26	03.00	M W	F	LAWSON	171	JONES DAVID
	10.00-11.50		F	PARK	213	

27	03.00		M W F	LAWSON	171	JONES DAVID	
	02.00-03.50		F	PARK	213		
108	EARTH ENVIRONMENT			04.0 CR			
1	12.00		T THF	LAWSON	151	ENGSTROM JAMES	
	LAB TO BE ARRANGED						
2	01.00		T THF	LAWSON	151	ENGSTROM JAMES	
	LAB TO BE ARRANGED						
3	06.00-07.25 PM		T TH	LAWSON	151	HARRIS STANLEY	
	LAB TO BE ARRANGED						
01A	INTRODUCT BIOLOGY			04.0 CR			
	PREREQ GSA FIRST LEVEL OR CHEM 110 OR 111						
1	09.00		M W F	LS I	133		
	08.00-09.50		T	0842	101		
2	09.00		M W F	LS I	133		
	12.00-01.50		T	0842	101		
3	09.00		M W F	LS I	133		
	04.00-05.50		T	0842	101		
4	09.00		M W F	LS I	133		
	10.00-11.50		W	0842	101		
5	09.00		M W F	LS I	133		
	12.00-01.50		W	0842	101		
6	09.00		M W F	LS I	133		
	08.00-09.50		TH	0842	101		
7	09.00		M W F	LS I	133		
	12.00-01.50		TH	0842	101		
8	09.00		M W F	LS I	133		
	04.00-05.50		TH	0842	101		
9	09.00		M W F	LS I	133		
	10.00-11.50		F	0842	101		
10	09.00		M W F	LS I	133		
	12.00-01.50		F	0842	101		
11	01.00		M W F	LS I	133		
	10.00-11.50		T	0842	108		
12	01.00		M W F	LS I	133		
	12.00-01.50		T	0842	108		
13	01.00		M W F	LS I	133		
	02.00-03.50		T	0842	108		
14	01.00		M W F	LS I	133		
	02.00-03.50		W	0842	108		
15	01.00		M W F	LS I	133		
	04.00-05.50		W	0842	108		
16	01.00		M W F	LS I	133		
	08.00-09.50		TH	0842	108		
17	01.00		M W F	LS I	133		
	12.00-01.50		TH	0842	108		
18	01.00		M W F	LS I	133		
	08.00-09.50		F	0842	108		
19	01.00		M W F	LS I	133		
	10.00-11.50		F	0842	108		
20	01.00		M W F	LS I	133		
	02.00-03.50		F	0842	108		
21	06.00-07.25 PM		M W	LS I	133		
	10.00-11.50		T	0842	101		
22	06.00-07.25 PM		M W	LS I	133		
	02.00-03.50		T	0842	101		
23	06.00-07.25 PM		M W	LS I	133		
	04.00-05.50		T	0842	108		
24	06.00-07.25 PM		M W	LS I	133		
	10.00-11.50		W	0842	108		
25	06.00-07.25 PM		M W	LS I	133		
	02.00-03.50		W	0842	101		
26	06.00-07.25 PM		M W	LS I	133		
	10.00-11.50		TH	0842	108		
27	06.00-07.25 PM		M W	LS I	133		
	02.00-03.50		TH	0842	101		
28	06.00-07.25 PM		M W	LS I	133		
	06.00-07.50 PM		TH	0842	101		
29	06.00-07.25 PM		M W	LS I	133		
	12.00-01.50		F	0842	108		
30	06.00-07.25 PM		M W	LS I	133		
	02.00-03.50		F	0842	101		

GSA

201B INTRODUCT BIOLOGY 04.0 CR
PREREQ GSA 201A

1	09.00		T TH	LS I	133
	12.00-01.50	M	F	0843	102
2	09.00		T TH	LS I	133
	02.00-03.50	M	F	0843	102
3	09.00		T TH	LS I	133
	10.00-11.50		T TH	0843	102
4	09.00		T TH	LS I	133
	12.00-01.50		T TH	0843	102
5	09.00		T TH	LS I	133
	12.00-01.50		T TH	0843	104
6	09.00		T TH	LS I	133
	04.00-05.50		T TH	0843	102
7	09.00		T TH	LS I	133
	06.00-07.50 PM		T TH	0843	102
8	09.00		T TH	LS I	133
	08.00-09.50		W F	0843	102
9	09.00		T TH	LS I	133
	08.00-09.50		W F	0843	104
10	09.00		T TH	LS I	133
	10.00-11.50		W F	0843	102
11	01.00		T TH	LS I	133
	12.00-01.50	M	F	0843	104
12	01.00		T TH	LS I	133
	02.00-03.50		T TH	LS I	132
13	01.00		T TH	LS I	133
	08.00-09.50		T TH	0843	102
14	01.00		T TH	LS I	133
	08.00-09.50		T TH	0843	104
15	01.00		T TH	LS I	133
	10.00-11.50		T TH	0843	104
16	01.00		T TH	LS I	133
	02.00-03.50		T TH	0843	102
17	01.00		T TH	LS I	133
	02.00-03.50		T TH	0843	104
18	01.00		T TH	LS I	133
	04.00-05.50		T TH	0843	104
19	01.00		T TH	LS I	133
	06.00-07.50 PM		T TH	0843	104
20	01.00		T TH	LS I	133
	10.00-11.50		W F	0843	104
21	03.00		T TH	LS I	133
	12.00-01.50	M		0842	101
	12.00-01.50		F	LS I	132
22	03.00		T TH	LS I	133
	02.00-03.50	M		0842	101
	02.00-03.50		F	LS I	132
23	03.00		T TH	LS I	133
	02.00-03.50	M	F	0843	104
24	03.00		T TH	LS I	133
	08.00-09.50		T TH	LS I	132
25	03.00		T TH	LS I	133
	10.00-11.50		T TH	LS I	132
26	03.00		T TH	LS I	133
	12.00-01.50		T TH	LS I	132
27	03.00		T TH	LS I	133
	04.00-05.50		T TH	LS I	132
28	03.00		T TH	LS I	133
	06.00-07.50 PM		T TH	LS I	132
29	03.00		T TH	LS I	133
	08.00-09.50		W F	LS I	132
30	03.00		T TH	LS I	133
	10.00-11.50		W F	LS I	132

210A INTRO ENVIRON BIOL 04.0 CR
PREREQ GSA 110 OR CHEM 115

1	08.00		M W F	LAWSON	161
	07.00	PM	M	LS I	308
2	08.00		M W F	LAWSON	161
	08.00		S	LS I	308
3	08.00		M W F	LAWSON	161
	02.00		T	LS I	308
4	08.00		M W F	LAWSON	161

	04.00		TH	LS I	308
5	08.00	M W F		LAWSON	161
	03.00	M		LS I	308
6	08.00	M W F		LAWSON	161
	01.00	TH		LS I	308
7	08.00	M W F		LAWSON	161
	02.00	F		LS I	308
8	08.00	M W F		LAWSON	161
	12.00	W		LS I	308
9	08.00	M W F		LAWSON	161
	10.00	W		LS I	308
10	08.00	M W F		LAWSON	161
	09.00	F		LS I	308
11	08.00	M W F		LAWSON	161
	09.00	M		LS I	308
12	08.00	M W F		LAWSON	161
	08.00	T		LS I	308
13	12.00	M W F		LAWSON	141
	10.00	F		LS I	308
14	12.00	M W F		LAWSON	141
	03.00	W		LS I	308
15	12.00	M W F		LAWSON	141
	03.00	T		LS I	308
16	12.00	M W F		LAWSON	141
	04.00	TH		LS I	308
17	12.00	M W F		LAWSON	141
	11.00	F		LS I	308
18	12.00	M W F		LAWSON	141
	04.00	T		LS I	308
19	12.00	M W F		LAWSON	141
	10.00	T		LS I	308
20	12.00	M W F		LAWSON	141
	01.00	W		LS I	308
21	12.00	M W F		LAWSON	141
	11.00	W		LS I	308
22	12.00	M W F		LAWSON	141
	09.00	TH		LS I	308
23	12.00	M W F		LAWSON	141
	12.00	TH		LS I	308
24	12.00	M W F		LAWSON	141
	08.00	W		LS I	308
25	06.00-07.25 PM	T TH		LAWSON	161
	10.00		S	LS I	308
26	06.00-07.25 PM	T TH		LAWSON	161
	05.00	TH		LS I	308
27	06.00-07.25 PM	T TH		LAWSON	161
	06.00 PM	W		LS I	308
28	06.00-07.25 PM	T TH		LAWSON	161
	06.00 PM	M		LS I	308
29	06.00-07.25 PM	T TH		LAWSON	161
	05.00	T	S	LS I	308
30	06.00-07.25 PM	T TH		LAWSON	161
	04.00	W		LS I	308
31	06.00-07.25 PM	T TH		LAWSON	161
	01.00		F	LS I	308
32	06.00-07.25 PM	T TH		LAWSON	161
	02.00	M		LS I	308
33	06.00-07.25 PM	T TH		LAWSON	161
	01.00	T		LS I	308
34	06.00-07.25 PM	T TH		LAWSON	161
	07.00 PM	W		LS I	308
35	06.00-07.25 PM	T TH		LAWSON	161
	11.00	T		LS I	308
36	06.00-07.25 PM	T TH		LAWSON	161
	10.00	TH		LS I	308

SA 201A - There will be an invitational Honors' laboratory section formed the second eek. An interested A or B student should try o keep 4:00-5:50 p.m. Thursday clear.

?108 INTRO ENVIRON BICL 04.0 CR

PREREQ GSA 110 OR CHEM 115

1	11.00	T THF	LAWSON	141

	06.00	PM	TH	LS I	308	
2	11.00		T THF	LAWSON	141	
	05.00		W	LS I	308	
3	11.00		T THF	LAWSON	141	
	09.00		S	LS I	308	
4	11.00		T THF	LAWSON	141	
	02.00		W	LS I	308	
5	11.00		T THF	LAWSON	141	
	01.00		M	LS I	308	
6	11.00		T THF	LAWSON	141	
	12.00		T	LS I	308	
7	11.00		T THF	LAWSON	141	
	12.00		F	LS I	308	
8	11.00		T THF	LAWSON	141	
	11.00		W	LS I	308	
9	11.00		T THF	LAWSON	141	
	02.00		TH	LS I	308	
10	11.00		T THF	LAWSON	141	
	09.00		T	LS I	308	
11	11.00		T THF	LAWSON	141	
	08.00		S	LS I	308	
12	11.00		T THF	LAWSON	141	
	08.00		M	LS I	308	
13	04.00		T THF	LAWSON	141	
	07.00	PM	TH	LS I	308	
14	04.00		T THF	LAWSON	141	
	11.00		TH	LS I	308	
15	04.00		T THF	LAWSON	141	
	06.00	PM	T	LS I	308	
16	04.00		T THF	LAWSON	141	
	09.00		W	LS I	308	
17	04.00		T THF	LAWSON	141	
	08.00		TH	LS I	308	
18	04.00		T THF	LAWSON	141	
	10.00		M	LS I	308	
19	04.00		T THF	LAWSON	141	
	12.00		M	LS I	308	
20	04.00		T THF	LAWSON	141	
	04.00		M	LS I	308	
21	04.00		T THF	LAWSON	141	
	05.00		M	LS I	308	
22	04.00		T THF	LAWSON	141	
	03.00		TH	LS I	308	
23	04.00		T THF	LAWSON	141	
	03.00		F	LS I	308	
24	04.00		T THF	LAWSON	141	
	07.00	PM	T	LS I	308	

GSA 201B - There will be an invitational 'Honors' laboratory section formed the second week. An interested A or B student should try to keep 4:00-5:50 Monday and Wednesday clear.

301 PRIN OF PHYSIOLOGY 04.0 CR

1	12.00		M W F	LS I	133	GASS
	03.00-04.50		M	LS I	113	
2	12.00		M W F	LS I	133	GASS
	11.00-12.50		T	LS I	113	
3	12.00		M W F	LS I	133	GASS
	11.00-12.50		TH	LS I	113	
4	12.00		M W F	LS I	133	GASS
	03.00-04.50		F	LS I	113	
5	12.00		M W F	LS I	133	GASS
	09.00-10.50		W	LS I	113	
6	12.00		M W F	LS I	133	GASS
	02.00-03.50		W	LS I	113	
7	12.00		M W F	LS I	133	GASS
	08.00-09.50		TH	LS I	117	
8	12.00		M W F	LS I	133	GASS
	08.00-09.50		S	LS I	117	
9	04.00		M W F	LS I	133	STRACK
	12.00-01.50		M	LS I	113	
10	04.00		M W F	LS I	133	STRACK
	05.45-07.25		T	LS I	113	

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 11    04.00            M W  F    LS I     133  STRACK
       05.45-07.25        TH     LS I     113
 12    04.00            M W  F    LS I     133  STRACK
       02.00-03.50       T       LS I     113
 13    04.00            M W  F    LS I     133  STRACK
       02.00-03.50        TH     LS I     113
 14    04.00            M W  F    LS I     133  STRACK
       12.00-01.50          F    LS I     117
 15    04.00            M W  F    LS I     133  STRACK
       08.00-09.50       T       LS I     117
 16    04.00            M W  F    LS I     133  STRACK
       05.45-07.25         W     LS I     117
02  PSYC-PHSL FOUN BEH                03.0 CR
     PREREQ   GSA 2018 AND C
  1    11.00             T TH     LS I     323  STRACK LOUIS E
       01.00-02.50         TH     LS I     113
  2    11.00             T TH     LS I     323  STRACK LOUIS E
       08.00-09.50           S    LS I     113
03  WILD FLOWERS                      03.0 CR
  1    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       01.00-04.50      M         LS I     307
  2    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       08.00-11.50        W       LS I     307
  3    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       01.00-04.50        W       LS I     307
  4    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       01.00-04.50          TH    LS I     307
  5    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       01.00-04.50            F   LS I     307
  6    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       01.00-04.50        W       LS I     132
  7    10.00            M         LAWSON   151  MOHLENBROCK ROBERT
       01.00-04.50      M         0842     101
12  CONS OF NATURAL RES               03.0 CR
  1    08.00             T TH     LAWSON   141
       08.00               W      LAWSON   151
13  EVOLUTION                         03.0 CR
     PREREQ   ONE YEAR OF BIOLOGY
  1    02.00            M W  F    LAWSON   161  STAINS HOWARD JAMES
15  HISTORY OF BIOLOGY                03.0 CR
  1    11.00            M W  F    LS I     133
21  INTRO PALEONTOLOGY                03.0 CR
  1    10.00              W  F    PARK     204  UTGAARD JOHN
       03.00-04.50      M         PARK     204
  2    10.00              W  F    PARK     204  UTGAARD JOHN
       06.00-07.30 PM   M         PARK     107
  3    11.00             T TH     PARK     204  UTGAARD JOHN
       08.00-09.50      M         PARK     107
  4    11.00             T TH     PARK     204  UTGAARD JOHN
       10.00-11.50      M         PARK     107
  5    11.00             T TH     PARK     204  UTGAARD JOHN
       01.00-02.50      M         PARK     107
22  INTR TO ROCKS + MIN               03.0 CR
  1    09.00            M W       PARK     204  BELL FRANK J
       08.00-09.50        TH      PARK     112
  2    09.00            M W       PARK     204  BELL FRANK J
       10.00-11.50        TH      PARK     112
  3    09.00            M W       PARK     204  BELL FRANK J
       12.00-01.50        TH      PARK     112
  4    03.00             T TH     PARK     111  BELL FRANK J
       04.00-05.50        TH      PARK     112
  5    03.00             T TH     PARK     111  BELL FRANK J
       06.00-07.50 PM     TH      PARK     112
30  WEATHER                           03.0 CR
  1    03.00             T TH     LAWSON   171  JONES DAVID L
       08.00                F     AG       144
  2    03.00             T TH     LAWSON   171  JONES DAVID L
       09.00                F     AG       144
  3    03.00             T TH     LAWSON   171  JONES DAVID L
       09.00                F     H EC     102
  4    03.00             T TH     LAWSON   171  JONES DAVID L
       10.00                F     AG       144
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GSA

	5	03.00		T TH	LAWSON	171	JONES DAVID L
		11.00		F	AG	144	
	6	03.00		T TH	LAWSON	171	JONES DAVID L
		11.00		F	H EC	102	
	7	03.00		T TH	LAWSON	171	JONES DAVID L
		12.00		F	AG	144	
	8	03.00		T TH	LAWSON	171	JONES DAVID L
		01.00		F	AG	144	
	9	03.00		T TH	LAWSON	171	JONES DAVID L
		01.00		F	H EC	102	
	10	03.00		T TH	LAWSON	171	JONES DAVID L
		02.00		F	AG	144	
	11	03.00		T TH	LAWSON	171	JONES DAVID L
		03.00		F	AG	144	
	12	03.00		T TH	LAWSON	171	JONES DAVID L
		03.00		F	H EC	102	
331	CLIMATE				03.0 CR		
	1	09.00		T TH	LAWSON	161	SHARPE
		08.00		F	H EC	102	
	2	09.00		T TH	LAWSON	161	SHARPE
		08.00		F	TECH A	310	
	3	09.00		T TH	LAWSON	161	SHARPE
		09.00		F	H EC	102	
	4	09.00		T TH	LAWSON	161	SHARPE
		10.00		F	TECH A	310	
	5	09.00		T TH	LAWSON	161	SHARPE
		10.00		F	TECH A	308	
	6	09.00		T TH	LAWSON	161	SHARPE
		11.00		F	TECH A	310	
	7	09.00		T TH	LAWSON	161	SHARPE
		12.00		F	H EC	102	
	8	09.00		T TH	LAWSON	161	SHARPE
		12.00		F	TECH A	310	
	9	09.00		T TH	LAWSON	161	SHARPE
		01.00		F	H EC	102	
	10	09.00		T TH	LAWSON	161	SHARPE
		02.00		F	TECH A	310	
	11	09.00		T TH	LAWSON	161	SHARPE
		02.00		F	TECH A	308	
	12	09.00		T TH	LAWSON	161	SHARPE
		03.00		F	TECH A	310	
340	ECOLOGY				03.0 CR		
	1	03.00		TW F	WHAM	105	ANDERSON ROGER
345	ECONOMIC BOTANY				03.0 CR		
	1	09.00		M W F	LAWSON	121	PORTZ
	2	01.00		M W F	LAWSON	121	PORTZ
	3	04.00		M W F	LAWSON	121	
358A	ANAL OF PHYS SYSTEM				03.0 CR		
	PREREQ 1ST LEVEL GSA + MATH 111A+B						
	1	12.00		T TH	TECH A	111	
		06.00-07.50 PM		TH	TECH D	122	
	2	12.00		T TH	TECH A	111	
		06.00-07.50 PM		T	TECH D	122	
	3	12.00		T TH	TECH A	111	
		09.00-10.50		S	TECH D	122	
	4	12.00		T TH	TECH A	111	
		03.00-04.50		T	TECH D	122	
358B	ANAL OF PHYS SYSTEM				03.0 CR		
	PREREQ GSA 358A						
	1	03.00		T TH	TECH A	111	
		06.00-07.50 PM		M	TECH D	122	
	2	03.00		T TH	TECH A	111	
		06.00-07.50 PM		W	TECH D	122	
	3	03.00		T TH	TECH A	111	
		09.00-10.50		T	TECH D	122	
	4	03.00		T TH	TECH A	111	
		09.00-10.50		TH	TECH D	122	
363A	PHIL OF SCIENCE				03.0 CR		
	PREREQ 1ST LEV SEQ OR ITS EQUIV IN AREA A						
	1	10.00		M W F	LS I	133	BREWSTER
	CROSSLISTED WITH GSC 363A						

018	SURV-WEST TRADITION				04.0	CR	
1	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	08.00		T		0720	101	
2	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	09.00			F	0862	102	
3	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	10.00			F	0720	105	
4	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	11.00		M		0875	102	
5	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	12.00		T		0720	103	
6	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	01.00		T		0720	104	
7	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	02.00		T		0720	101	
8	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	03.00		T		0720	105	
9	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	10.00			W	0720	108	
10	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	06.00	PM		W	0720	101	
11	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	03.00		T		0720	102	
12	01.00		M W		LAWSON	151	MUELLER
	01.00			TH	LAWSON	161	
	02.00		T		0720	104	
13	03.00		M WTH		LAWSON	141	MUELLER
	08.00		M		0720	114	
14	03.00		M WTH		LAWSON	141	MUELLER
	09.00		T		0720	104	
15	03.00		M WTH		LAWSON	141	MUELLER
	10.00			W	0720	104	
16	03.00		M WTH		LAWSON	141	MUELLER
	11.00			TH	0875	101	
17	03.00		M WTH		LAWSON	141	MUELLER
	04.00		T		0720	104	
18	03.00		M WTH		LAWSON	141	MUELLER
	01.00			W	0720	101	
19	03.00		M WTH		LAWSON	141	MUELLER
	02.00			F	0720	103	
20	03.00		M WTH		LAWSON	141	MUELLER
	09.00		T		0720	107	
21	03.00		M WTH		LAWSON	141	MUELLER
	10.00			W	0720	114	
22	03.00		M WTH		LAWSON	141	MUELLER
	06.00	PM		TH	0720	101	
23	03.00		M WTH		LAWSON	141	MUELLER
	03.00		T		0720	103	
24	03.00		M WTH		LAWSON	141	MUELLER
	11.00		T		0720	103	
01C	SURV-WEST TRADITION				04.0	CR	
1	10.00		M W F		LAWSON	141	DETWILER
	08.00			W	0720	102	
2	10.00		M W F		LAWSON	141	DETWILER
	09.00			F	0871	102	
3	10.00		M W F		LAWSON	141	DETWILER
	10.00		T		0720	109	
4	10.00		M W F		LAWSON	141	DETWILER
	11.00			TH	0875	102	

SECT 4 IS HONORS SECTION

5	10.00		M W F	LAWSON	141	DETWILER
	12.00		T	0720	104	
6	10.00		M W F	LAWSON	141	DETWILER
	01.00		T	PULL	43A	
7	10.00		M W F	LAWSON	141	DETWILER
	02.00		W	WARREN	129	
8	10.00		M W F	LAWSON	141	DETWILER
	03.00		TH	0720	103	
9	10.00		M W F	LAWSON	141	DETWILER
	04.00		TH	0720	104	
10	10.00		M W F	LAWSON	141	DETWILER
	06.00	PM	W	0720	104	
11	10.00		M W F	LAWSON	141	DETWILER
	07.35-08.25	PM	T	0720	101	
12	10.00		M W F	LAWSON	141	DETWILER
	01.00		M	0871	102	
13	11.00		T THF	WHAM	105	MCFARLIN
	08.00		TH	0720	103	
14	11.00		T THF	WHAM	105	MCFARLIN
	01.00		W	0720	106	
15	11.00		T THF	WHAM	105	MCFARLIN
	10.00		W	0720	116	
16	11.00		T THF	WHAM	105	MCFARLIN
	11.00		M	FELTS	130	
17	11.00		T THF	WHAM	105	MCFARLIN
	12.00		W	0720	101	
18	11.00		T THF	WHAM	105	MCFARLIN
	01.00		T	0720	105	
19	11.00		T THF	WHAM	105	MCFARLIN
	02.00		TH	PIERCE	130	
20	11.00		T THF	WHAM	105	MCFARLIN
	03.00		M	0720	109	
21	11.00		T THF	WHAM	105	MCFARLIN
	02.00		W	0720	107	
22	11.00		T THF	WHAM	105	MCFARLIN
	06.00	PM	T	0720	101	
23	11.00		T THF	WHAM	105	MCFARLIN
	07.35-08.25	PM	TH	H EC	122	
24	11.00		T THF	WHAM	105	MCFARLIN
	02.00		T	0720	108	

102A MAN AND HIS WORLD 04.0 CR

1	08.00		MT TH	LAWSON	151
	12.00		M	H EC	306
2	08.00		MT TH	LAWSON	151
	01.00		M	H EC	306
3	08.00		MT TH	LAWSON	151
	02.00		M	H EC	306
4	08.00		MT TH	LAWSON	151
	03.00		M	H EC	306
5	08.00		MT TH	LAWSON	151
	04.00		M	H EC	306
6	08.00		MT TH	LAWSON	151
	12.00		T	H EC	306
7	08.00		MT TH	LAWSON	151
	01.00		T	H EC	306
8	08.00		MT TH	LAWSON	151
	02.00		T	H EC	306
9	08.00		MT TH	LAWSON	151
	04.00		T	H EC	306
10	08.00		MT THF	LAWSON	151
	12.00		W	H EC	306
11	08.00		MT TH	LAWSON	151
	01.00		W	H EC	306
12	08.00		MT TH	LAWSON	151
	03.00		T	H EC	306
13	09.00		M W F	LAWSON	151 RACKERBY
	03.00		W	H EC	306
14	09.00		M W F	LAWSON	151 RACKERBY
	04.00		W	H EC	306
15	09.00		M W F	LAWSON	151 RACKERBY
	12.00		TH	H EC	306

16	09.00	M W F	LAWSON	151	RACKERBY	
	01.00	TH	H EC	306		
17	09.00	M W F	LAWSON	151	RACKERBY	
	02.00	TH	H EC	306		
18	09.00	M W F	LAWSON	151	RACKERBY	
	03.00	TH	H EC	306		
19	09.00	M W F	LAWSON	151	RACKERBY	
	04.00	TH	H EC	306		
20	09.00	M W F	LAWSON	151	RACKERBY	
	12.00	F	H EC	306		
21	09.00	M W F	LAWSON	151	RACKERBY	
	01.00	F	H EC	306		
22	09.00	M W F	LAWSON	151	RACKERBY	
	02.00	F	H EC	306		
23	09.00	M W F	LAWSON	151	RACKERBY	
	03.00	F	H EC	306		
24	09.00	M W F	LAWSON	151	RACKERBY	
	04.00	F	H EC	306		
25	09.00	M W F	LAWSON	151	RACKERBY	
	12.00	F	WHAM	210		
26	01.00	M W F	H EC	122A	LANGE	
HONOR SECT-ONE ADDITIONAL HR TBA						
27	01.00	MT TH	LAWSON	141	BELMONT	
	08.00	M	H EC	306		
28	01.00	MT TH	LAWSON	141	BELMONT	
	09.00	M	H EC	306		
29	01.00	MT TH	LAWSON	141	BLEMONT	
	10.00	M	H EC	306		
30	01.00	MT TH	LAWSON	141	BELMONT	
	11.00	M	H EC	306		
31	01.00	MT TH	LAWSON	141	BELMONT	
	08.00	T	H EC	306		
32	01.00	MT TH	LAWSON	141	BELMONT	
	09.00	T	H EC	306		
33	01.00	MT TH	LAWSON	141	BELMONT	
	10.00	T	H EC	306		
34	01.00	MT TH	LAWSON	141	BLEMONT	
	11.00	T	H EC	306		
35	01.00	MT TH	LAWSON	141	BELMONT	
	08.00	W	H EC	306		
36	01.00	MT TH	LAWSON	141	BELMONT	
	09.00	W	H EC	306		
37	01.00	MT TH	LAWSON	141	BLEMONT	
	10.00	W	H EC	306		
38	01.00	MT TH	LAWSON	141	BELMONT	
	11.00	W	H EC	306		
39	02.00	M W F	H EC	122A		
HONOR SECT-ONE ADDITIONAL HR TBA						
40	02.00	MT TH	LAWSON	141	BELMONT	
	08.00	TH	H EC	306		
41	03.00	M W F	LAWSON	151	GRIMES	
	09.00	TH	H EC	306		
42	03.00	M W F	LAWSON	151	GRIMES	
	10.00	TH	H EC	306		
43	03.00	M W F	LAWSON	151	GRIMES	
	11.00	TH	H EC	306		
44	03.00	M W F	LAWSON	151	GRIMES	
	11.00	TH	AG	188		
45	03.00	M W F	LAWSON	151	GRIMES	
	09.00	F	H EC	306		
46	03.00	M W F	LAWSON	151	GRIMES	
	10.00	F	H EC	306		
47	03.00	M W F	LAWSON	151	GRIMES	
	11.00	F	H EC	306		
48	03.00	M W F	LAWSON	151	GRIMES	
	01.00	T	H EC	104		
49	03.00	M W F	LAWSON	151	GRIMES	
	02.00	T	H EC	118		
50	03.00	M W F	LAWSON	151	GRIMES	
	03.00	T	H EC	201		
51	03.00	M W F	LAWSON	151	GRIMES	
	04.00	T	H EC	102		

52	03.00	M W F	LAWSON	151	GRIMES	
	03.00	T	H EC	120		
53	03.00	M W F	LAWSON	151	GRIMES	
	04.00	T	H EC	201		
102B	MAN AND HIS WORLD		04.0	CR		
1	08.00-09.50	M W	TECH A	222	CHRISTENSEN	
2	08.00-09.50	M W	TECH A	308	CHRISTENSEN	
3	08.00-09.50	M W	TECH A	310	CHRISTENSEN	
4	08.00-09.50	M W	H EC	102	CHRISTENSEN	
5	08.00-09.50	M W	H EC	118	CHRISTENSEN	
6	08.00-09.50	T TH	TECH A	222	CHRISTENSEN	
7	08.00-09.50	T TH	TECH A	308	CHRISTENSEN	
8	08.00-09.50	T TH	TECH A	310	CHRISTENSEN	
9	08.00-09.50	T TH	H EC	102	CHRISTENSEN	
10	08.00-09.50	T TH	H EC	118	CHRISTENSEN	
11	10.00-11.50	T TH	TECH A	222	CHRISTENSEN	
12	10.00-11.50	T TH	TECH A	308	CHRISTENSEN	
13	10.00-11.50	T TH	TECH A	310	CHRISTENSEN	
14	10.00-11.50	T TH	H EC	102	CHRISTENSEN	
15	10.00-11.50	T TH	H EC	118	CHRISTENSEN	
16	10.00-11.50	T TH	H EC	201	CHRISTENSEN	
17	10.00-11.50	M W	TECH A	222	CHRISTENSEN	
18	10.00-11.50	M W	TECH A	308	CHRISTENSEN	
19	10.00-11.50	M W	TECH A	310	CHRISTENSEN	
20	10.00-11.50	M W	H EC	102	CHRISTENSEN	
21	10.00-11.50	M W	H EC	118	CHRISTENSEN	
22	10.00-11.50	M W	H EC	201	CHRISTENSEN	
23	12.00-01.50	M W	TECH A	222	CHRISTENSEN	
24	12.00-01.50	M W	TECH A	308	CHRISTENSEN	
25	12.00-01.50	M W	TECH A	310	CHRISTENSEN	
26	12.00-01.50	M W	H EC	102	CHRISTENSEN	
27	12.00-01.50	M W	H EC	118	CHRISTENSEN	
28	12.00-01.50	T TH	TECH A	221	CHRISTENSEN	
29	12.00-01.50	T TH	TECH A	308	CHRISTENSEN	
30	12.00-01.50	T TH	H EC	102	CHRISTENSEN	
31	12.00-01.50	T TH	LAWSON	102	CHRISTENSEN	
32	12.00-01.50	T TH	LAWSON	171	CHRISTENSEN	
33	02.00-03.50	M W	TECH A	222	CHRISTENSEN	
34	02.00-03.50	M W	TECH A	308	CHRISTENSEN	
35	02.00-03.50	M W	TECH A	310	CHRISTENSEN	
36	02.00-03.50	M W	H EC	102	CHRISTENSEN	
37	02.00-03.50	M W	H EC	118	CHRISTENSEN	
38	02.00-03.50	M W	H EC	201	CHRISTENSEN	
39	02.00-03.50	T TH	TECH A	222	CHRISTENSEN	
40	02.00-03.50	T TH	TECH A	308	CHRISTENSEN	
41	02.00-03.50	T TH	TECH A	310	CHRISTENSEN	
42	02.00-03.50	T TH	H EC	102	CHRISTENSEN	
43	02.00-03.50	T TH	H EC	118	CHRISTENSEN	
44	02.00-03.50	T TH	H EC	201	CHRISTENSEN	
201B	SOCIETY + BEHAVIOR		04.0	CR		
1	08.00	MTWTH	0875	101		
2	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	08.00	M TH	WHAM	112		
3	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	09.00	M S	WHAM	112		
4	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	10.00	M TH	BAILEY	130		
5	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	11.00	M	0861	102		
	11.00	TH	0720	104		
6	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	11.00	M TH	WHLR	113		
7	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	12.00	M TH	WHAM	203		
8	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	12.00	M TH	WHAM	202		
9	09.00	T TH	WHAM	105	PATTERSON EDGAR	
	01.00	M TH	BAILEY	130		
10	09.00	M W	WHAM	105	GASTON	
	08.00	T F	WHAM	201		
11	09.00	M W	WHAM	105	GASTON	
	10.00	T F	BAILEY	130		

12	09.00	M W	WHAM	105	GASTON	
	11.00	T F	BAILEY	130		
13	09.00	M W	WHAM	105	GASTON	
	12.00	T F	WHAM	202		
14	09.00	M W	WHAM	105	GASTON	
	01.00	T F	BAILEY	130		
15	09.00	M W	WHAM	105	GASTON	
	03.00	T F	BAILEY	130		
16	09.00	M W	WHAM	105	GASTON	
	04.00	T F	LS I	205		
17	09.00	M W	WHAM	105	GASTON	
	08.00	T F	WHAM	112		
18	12.00	MTWTH	0875	101		
19	02.00	MTWTH	0875	101		
20	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	08.00	T TH	BAILEY	130		
21	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	09.00	T TH	H EC	208		
22	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	12.00	T TH	WHAM	112		
23	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	12.00	T TH	WHAM	205		
24	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	02.00	T TH	AG	216		
25	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	03.00	T TH	WHAM	201		
	ABOVE SECT RESERVED FOR PRESIDENT'S SCHOLARS					
26	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	04.00	T TH	H EC	206		
27	04.00	M W	LAWSON	151	NALL ELIZABETH W	
	04.00	T TH	PHY SA	160		
28	04.00	MTWTH	WHAM	302		
29	07.35-09.15 PM	T TH	WHAM	228		
30	07.35-09.15 PM	M W	WHAM	302		
01C	SOCIETY + BEHAVIOR		04.0	CR		
1	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	01.00-02.50	W	PULL	39		
2	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	06.00-07.50 PM	W	PULL	39		
3	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	08.00-09.50	TH	PULL	39		
4	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	10.00-11.50	TH	PULL	39		
5	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	01.00-02.50	TH	PULL	39		
6	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	03.00-04.50	TH	PULL	39		
7	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	08.00-09.50	F	PULL	39		
8	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	12.00-01.50	F	PULL	39		
9	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	08.00-09.50	S	PULL	39		
10	11.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	10.00-11.50	S	PULL	39		
11	12.00	M W	LAWSON	131	SCHMECK	
	09.00-10.50	TH	WARREN	129		
12	12.00	M W	LAWSON	131	SCHMECK	
	02.00-03.50	TH	WARREN	129		
13	04.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	01.00-02.50	W	AG	154		
14	04.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	06.00-07.50 PM	TH	AG	148		
15	04.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	08.00-09.50	TH	AG	148		
16	04.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	10.00-11.50	TH	AG	148		
17	04.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	01.00-02.50	TH	AG	154		
18	04.00	M W	LAWSON	141	CARRIER NEIL ALAN	
	03.00-04.50	TH	AG	154		

19	04.00		M W		LAWSON	141	CARRIER NEIL ALA
	08.00-09.50			F	AG	158	
20	04.00		M W		LAWSON	141	CARRIER NEIL ALA
	12.00-01.50			F	AG	222	
21	04.00		M W		LAWSON	141	CARRIER NEIL ALA
	08.00-09.50			S	AG	116	
22	04.00		M W		LAWSON	141	CARRIER NEIL ALA
	10.00-11.50			S	AG	116	
23	04.00		M W		LAWSON	231	MUEHLEMAN J THOM
	09.00-10.50			TH	PIERCE	130	MUEHLEMAN, J. TH
24	04.00		M W		LAWSON	231	MUEHLEMAN J THOM
	11.00-12.50			TH	PIERCE	130	MUEHLEMAN, J. TH
25	06.00-07.40	PM	M		LAWSON	141	MYERS
	03.00-04.50			W	PULL	39	
26	06.00-07.40	PM	M		LAWSON	141	MYERS
	03.00-04.50			W	WHAM	312	
27	06.00-07.40	PM	M		LAWSON	141	MYERS
	06.00-07.50	PM		TH	PULL	39	
28	06.00-07.40	PM	M		LAWSON	141	MYERS
	06.00-07.50	PM		W	AG	148	
29	06.00-07.40	PM	M		LAWSON	141	MYERS
	10.00-11.50			F	PULL	39	
30	06.00-07.40	PM	M		LAWSON	141	MYERS
	10.00-11.50			F	AG	148	
31	06.00-07.40	PM	M		LAWSON	141	
	02.00-03.50			F	PULL	39	
32	06.00-07.40	PM	M		LAWSON	141	MYERS
	02.00-03.50			F	AG	222	
33	06.00-07.40	PM	M		LAWSON	141	MYERS
	12.00-01.50			F	WHAM	328	
34	06.00-07.40	PM	M		LAWSON	141	MYERS
	02.00-03.50			F	WHAM	203	
210C	INTERCUL SEM-LAT AM			02.0	TO 04.0 CR		
1	07.45-09.45	PM	M		H EC	206	
211A	POLITICAL ECONCMY				04.0 CR		
1	01.00			TWTHF	WHAM	105	
211B	POLITICAL ECONCMY				04.0 CR		
1	08.00		MT THF		PHY SA	258	
2	10.00		M W F		WHAM	105	BAKER
	08.00			TH	WHAM	205	
3	10.00		M W F		WHAM	105	BAKER
	08.00			T	WHAM	203	
4	10.00		M W F		WHAM	105	BAKER
	09.00			T	AG	148	
5	10.00		M W F		WHAM	105	BAKER
	09.00			TH	WHAM	326	
6	10.00		M W F		WHAM	105	BAKER
	09.00			T	TECH A	210	
7	10.00		M W F		WHAM	105	BAKER
	09.00			TH	PHY SA	278	
8	10.00		M W F		WHAM	105	BAKER
	09.00			TH	AG	116	
9	10.00		M W F		WHAM	105	BAKER
	08.00			TH	WHAM	203	
10	10.00		M W F		WHAM	105	BAKER
	12.00			T	WHAM	319	
11	10.00		M W F		WHAM	105	BAKER
	12.00			TH	WHAM	319	
12	12.00		MTW F		WHAM	305	
13	01.00		M WTHF		PULL	43A	
	ABOVE SECT RESERVED FOR FOREIGN STUDENTS						
14	02.00		M W F		WHAM	105	KAHN
	03.00			T	WHAM	317	
15	02.00		M W F		WHAM	105	KAHN
	03.00			TH	WHAM	326	
16	02.00		M W F		WHAM	105	KAHN
	02.00			T	WHAM	208	
17	02.00		M W F		WHAM	105	KAHN
	03.00			T	WHAM	205	
18	02.00		M W F		WHAM	105	KAHN
	02.00			TH	WHAM	228	
19	02.00		M W F		WHAM	105	KAHN
	02.00			T	COMM	1018	

20	02.00		M W F	WHAM	105	KAHN
	02.00		TH	WHAM	208	
21	02.00		M W F	WHAM	105	KAHN
	04.00		T	WHAM	326	
22	02.00		M W F	WHAM	105	KAHN
	01.00		TH	WHAM	329	
23	02.00		M W F	WHAM	105	KAHN
	01.00		T	COMM	1022	
24	05.45-07.25		M W	COMM	1021	
25	05.45-07.25		T TH	WHAM	201	
26	07.35-09.15	PM	M W	WHAM	303	
27	07.35-09.15	PM	T TH	WHAM	303	

300A UNITED STATES HIST 03.0 CR

1	12.00		MT TH	LAWSON	171	BATINSKU

300B UNITED STATES HIST 03.0 CR

1	10.00		T THF	LAWSON	151	CARRCTTU
2	04.00		T THF	LAWSON	151	WERLICHU

300C UNITED STATES HIST 03.0 CR

1	09.00		MT TH	LAWSON	141	CONRAD
2	04.00		MT TH	LAWSON	161	WARREN
3	06.00-07.25	PM	T TH	LAWSON	171	WARREN

302 LAW CIVIL RIGHTS 03.0 CR

1	08.00		M WTH	WHAM	201	GREGORY

303 INTERNATIONAL REL 04.0 CR

1	08.00		TW F	WOODY	1012	LEVINE
	08.00-09.50		TH	PHY SA	156	
2	10.00		MTWTH	AG	116	KLINGBERG
3	12.00		MT THF	AG	168	STAUBER
4	02.00		M W	PHY SA	156	PAINE
	02.00-03.50		TH	PHY SA	156	
5	04.00		MTWTH	COMM	1036	CHOU

309 INTRO TO BLACK AMER 04.0 CR
PREREQ G.S. 2ND LEVEL

1	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	WHAM	301A	
2	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PHY SC	410	
3	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	TECH D	131	
4	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PULL	38	
5	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	0862	102	
6	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	0721	101	
7	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	0720	116	
8	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	0720	117	
9	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	GYM	204	
10	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PULL	39	
11	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	148	
12	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	154	
13	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	166	
14	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	AG	170	
15	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	PIERCE	130	
16	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	FELTS	130	
17	06.00	PM	M W	LAWSON	171	
	03.00		T	WARREN	129	
18	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	ABBOTT	129	
19	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	ARENA	125	
20	06.00	PM	M W	LAWSON	171	
	03.00-04.50		T	WHAM	137	

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310   CURRENT EVENTS                          01.0 CR
    1    11.00                F    LAWSON   151
         08.00             T       AG       148
    2    11.00                F    LAWSON   151
         08.00                F    AG       220
    3    11.00                F    LAWSON   151
         09.00             M       TECH A   422
    4    11.00                F    LAWSON   151
         09.00             T       AG       220
    5    11.00                F    LAWSON   151
         09.00              TH     AG       220
    6    11.00                F    LAWSON   151
         11.00             W       TECH A   320
    7    11.00                F    LAWSON   151
         12.00             M       AG       222
    8    11.00                F    LAWSON   151
         12.00              TH     AG       222
    9    11.00                F    LAWSON   151
         01.00             W       WHAM     201
   10    11.00                F    LAWSON   151
         01.00                F    TECH A   222
   11    11.00                F    LAWSON   151
         02.00              TH     AG       220
   12    11.00                F    LAWSON   151
         03.00             T       TECH A   120
311   ECON DEVELOP OF U S                     03.0 CR
       PREREQ   GSB 101B, CR 211A,B, OR 215
    1    10.00          M W  F    0720     102  ADAMS DONALD R
312   COMPAR ECON SYSTEMS                     03.0 CR
       PREREQ   GSB 211A CR 215
    1    01.00          MT TH     TECH D   131
314   ECON ANAL AG POL US                     03.0 CR
       PREREQ   GSB 211
    1    09.00           T THF    AG       225  HAAG HERMAN M
321   SOCIALIZAT OF INDIV                     03.0 CR
    1    03.00          M W  F    WHAM     112  NALL ELIZABETH
331   AMER ED SYSTEM                          03.0 CR
    1    08.00          M W  F    WHAM     328
    2    08.00          MT TH     WHAM     228
    3    09.00          M W  F    WHAM     328
    4    10.00          M W  F    WHAM     328
    5    11.00          M W  F    WHAM     205
    6    01.00          M W  F    WHAM     205
    7    02.00          M W  F    WHAM     205
    8    03.00          M W  F    WHAM     205
    9    06.00-07.25 PM  T TH     WHAM     205
   10    06.00-07.25 PM  M W       WHAM     202
341   MARRIAGE                                03.0 CR
    1    02.00          M W  F    LAWSON   171  SMITH MARGARET
345   INTR TO AM FGN POL                      03.0 CR
    1    09.00          M W  F    AG       168  LANDECKER
    2    04.00          MT TH     AG       216  TRIVERS
353   ECON GEOG-RES MGT                       03.0 CR
       PREREQ   NONE
    1    02.00          M WTH     0483     101  SCHMUDDE
355   GEOG OF U S                             03.0 CR
    1    09.00          M WTH     LAWSON   201  PENNINGTON CAMP
361   FUND OF DECIS MAKE                      03.0 CR
       PREREQ   MATH 111-1C A+B OR GSD 108A +B
    1    04.00          M W  F    TECH A   111
369   CONTEMP FAR EAST                        03.0 CR
    1    08.00          M W  F    H EC     201  KUO
385   CONTEMP POL ISMS                        03.0 CR
    1    10.00           TWTH     AG       216  KAMARASY
    2    12.00          M W  F    H EC     201  TRIVERS
390   INTR TO COMP GOVT                       04.0 CR
    1    09.00          MTWTH     WHAM     228  KAMARASY
    2    02.00           TWTHF    WHAM     201  HARDENBERGH WI
    3    04.00          MTWTH     AG       116  BHATTACHARYYA
391   SUB-SAHARAN GOVT                        03.0 CR
    1    03.00          M W  F    AG       116  DALE
392   INTRO L A GOVT POL                      03.0 CR
    1    01.00          M W  F    WHAM     203  GARNER WILLIAM
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(GSC)

00	MUSIC UNDERSTANDING				03.0 CR		
1	09.00	M	W		LAWSON	151	NADAF
	08.00			TH	COMM	1037	
2	11.00	M	W		LAWSON	151	EDDINS
	08.00			TH	COMM	1037	
3	12.00	M	W		LAWSON	151	FLOYD
	08.00			TH	COMM	1037	
01	ART APPRECIATION				03.0 CR		
1	08.00-09.50		T		ALLYN	102	
	11.00	M			WHLR	107	
	ADDITIONAL HOUR TBA						
2	10.00		T	TH	LAWSON	141	
	08.00-09.50	M			ALLYN	102	
3	10.00		T	TH	LAWSON	141	
	08.00-09.50			S	ALLYN	106	
4	10.00		T	TH	LAWSON	141	
	12.00-01.50	M			ALLYN	102	
5	10.00		T	TH	LAWSON	141	
	12.00-01.50			F	ALLYN	102	
6	10.00		T	TH	LAWSON	141	
	02.00-03.50		W		ALLYN	102	
7	10.00		T	TH	LAWSON	141	
	10.00-11.50			F	ALLYN	102	
8	10.00		T	TH	LAWSON	141	
	10.00-11.50			S	ALLYN	102	
9	10.00		T	TH	LAWSON	141	
	10.00-11.50	M			ALLYN	102	
10	10.00-11.50		T		ALLYN	102	
	10.00			TH	ALLYN	106	
	ADDITIONAL HOUR TBA						
11	01.00-02.50		T		ALLYN	102	
	11.00			TH	ALLYN	106	
	ADDITIONAL HOUR TBA						
12	01.00-02.50			TH	ALLYN	102	
	11.00			F	WHLR	107	
	ADDITIONAL HOUR TBA						
13	02.00		T	TH	LAWSON	151	
	12.00-01.50		W		ALLYN	102	
14	02.00		T	TH	LAWSON	151	
	11.00-12.50			TH	ALLYN	102	
15	02.00		T	TH	LAWSON	151	
	08.00-09.50			F	ALLYN	102	
16	02.00		T	TH	LAWSON	151	
	10.00-11.50		W		ALLYN	102	
17	02.00		T	TH	LAWSON	151	
	10.00-11.50			S	ALLYN	106	
18	02.00		T	TH	LAWSON	151	
	08.00-09.50			TH	ALLYN	102	
19	02.00		T	TH	LAWSON	151	
	08.00-09.50			S	ALLYN	102	
20	02.00-03.50			F	ALLYN	102	
	09.00		T		ALLYN	106	
	ADDITIONAL HOUR TBA						
21	02.00-03.50	M			ALLYN	102	
	09.00			F	WHLR	107	
	ADDITIONAL HOUR TBA						
22	03.00-04.50			TH	ALLYN	102	
	12.00		T		ALLYN	106	
	ADDITIONAL HOUR TBA						
23	05.00-06.50		T		ALLYN	102	
	12.00			TH	ALLYN	106	
	ADDITIONAL HOUR TBA						
24	05.00-06.50			TH	ALLYN	102	
	09.00			TH	ALLYN	106	
	ADDITIONAL HOUR TBA						
25	05.00-06.50			TH	ALLYN	106	
	10.00		T		ALLYN	106	
	ADDITIONAL HOUR TBA						
26	05.00-06.50		W		ALLYN	106	
	07.35-08.25 PM		T		ALLYN	106	

	ADDITIONAL HOUR TBA						
27	05.00-06.50	M		ALLYN	106		
	02.00		TH	ALLYN	106		
	ADDITIONAL HOUR TBA						
28	07.35-09.15 PM	M		ALLYN	106		
	01.00		TH	ALLYN	106		
	ADDITIONAL HOUR TBA						
102	PROB-MORAL DEC-PHIL			03.0 CR			
1	09.00		T TH	LAWSON	171	GILLIAN	
	11.00		TH	H C	202		
2	09.00		T TH	LAWSON	171	GILLIAN	
	12.00		TH	H C	202		
3	09.00		T TH	LAWSON	171	GILLIAN	
	01.00		TH	H EC	201		
4	09.00		T TH	LAWSON	171	GARTH,GILLIAN	
	02.00		TH	WHLR	207		
5	09.00		T TH	LAWSON	171	GILLIAN	
	03.00		TH	H EC	106		
6	09.00		T TH	LAWSON	171	GILLIAN	
	08.00		F	H C	202		
7	09.00		T TH	LAWSON	171	GILLIAN	
	09.00		F	LS I	16		
8	09.00		T TH	LAWSON	171	GILLIAN	
	10.00		F	H EC	120		
9	09.00		T TH	LAWSON	171	GILLIAN	
	11.00		F	AG	116		
10	09.00		T TH	LAWSON	171	GILLIAN	
	09.00		F	COMM	1018		
11	09.00		T TH	LAWSON	171	GILLIAN	
	10.00		TH	0720	109		
12	09.00		T TH	LAWSON	171	GILLIAN	
	01.00		TH	H EC	104		
13	10.00		T TH	LAWSON	171	BREWSTER	
	02.00		TH	GYM	204		
14	10.00		T TH	LAWSON	171	BREWSTER	
	03.00		TH	H EC	104		
15	10.00		T TH	LAWSON	171	BREWSTER	
	08.00		F	H EC	118		
16	10.00		T TH	LAWSON	171	BREWSTER	
	09.00		F	H C	202		
17	10.00		T TH	LAWSON	171	BREWSTER	
	10.00		F	H EC	118		
18	10.00		T TH	LAWSON	171	BREWSTER	
	11.00		F	H EC	201		
19	10.00		T TH	LAWSON	171	BREWSTER	
	12.00		F	H C	202		
20	10.00		T TH	LAWSON	171	BREWSTER	
	01.00		F	AG	116		
21	10.00		T TH	LAWSON	171	BREWSTER	
	01.00		TH	GYM	203		
22	10.00		T TH	LAWSON	171	BREWSTER	
	09.00		T	H C	202		
23	11.00		M W	WHAM	105	SCHILPP PAUL A	
	01.00		W	H C	202		
24	11.00		M W	WHAM	105	SCHILPP PAUL A	
	02.00		W	H EC	122		
25	11.00		M W	WHAM	105	SCHILPP PAUL A	
	03.00		W	WHAM	321		
26	11.00		M W	WHAM	105	SCHILPP PAUL A	
	08.00		TH	H EC	208		
27	11.00		M W	WHAM	105	SCHILPP PAUL A	
	09.00		TH	H C	202		
28	11.00		M W	WHAM	105	SCHILPP PAUL A	
	10.00		TH	H EC	208		
29	11.00		M W	WHAM	105	SCHILPP PAUL A	
	11.00		TH	0862	101		
30	11.00		M W	WHAM	105	SCHILPP PAUL A	
	12.00		TH	WHAM	205		
31	11.00		M W	WHAM	105	SCHILPP PAUL A	
	01.00		TH	H EC	208		
32	11.00		M W	WHAM	105	SCHILPP PAUL A	
	02.00		TH	H EC	208		

33	11.00		M W		WHAM	105	SCHILPP PAUL A
	03.00			TH	H EC	208	
34	11.00		M W		WHAM	105	SCHILPP PAUL A
	08.00			F	AG	116	
35	01.00		T TH		LAWSON	171	HOWIE JOHN
	10.00			F	WHAM	202	
36	01.00		T TH		LAWSON	171	HOWIE
	09.00		M		0720	117	
37	01.00		T TH		LAWSON	171	HOWIE
	10.00		M		AG	148	
38	01.00		T TH		LAWSON	171	HOWIE
	11.00		M		H EC	208	
39	01.00		T TH		LAWSON	171	HOWIE
	12.00		M		H C	202	
40	01.00		T TH		LAWSON	171	HOWIE
	01.00		M		H C	202	
41	01.00		T TH		LAWSON	171	HOWIE JOHN
	09.00		T		H EC	120	
42	01.00		T TH		LAWSON	171	HOWIE JOHN
	10.00		T		H EC	208	
43	01.00		T TH		LAWSON	171	HOWIE JOHN
	11.00		T		H C	202	
44	01.00		T TH		LAWSON	171	HOWIE JOHN
	10.00			S	H C	202	
45	03.00		T TH		LAWSON	151	KELLY
	08.00		M		PULL	39	
46	03.00		T TH		LAWSON	151	KELLY
	10.00		M		0862	101	
47	03.00		T TH		LAWSON	151	KELLY MATTHEW
	09.00		M		0862	101	
48	03.00		T TH		LAWSON	151	KELLY MATTHEW
	12.00		M		WHAM	208	
49	03.00		T TH		LAWSON	151	KELLY MATTHEW
	02.00		M		WHAM	201	
50	03.00		T TH		LAWSON	151	KELLY MATTHEW
	08.00		T		H C	202	
51	03.00		T TH		LAWSON	151	KELLY
	09.00		T		H EC	206	
52	03.00		T TH		LAWSON	151	KELLY MATTHEW
	01.00		T		H EC	208	
53	03.00		T TH		LAWSON	151	KELLY MATTHEW
	02.00		T		H EC	208	
54	03.00		T TH		LAWSON	171	KELLY MATTHEW
	10.00		T		WHLR	107	
55	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	06.00	PM	T		H EC	102	
56	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	09.00		T		COMM	1022	
57	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	12.00		T		H C	202	
58	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	01.00		T		H EC	120	
59	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	03.00		T		H EC	208	
60	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	10.00			F	WHAM	210	
61	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	11.00			F	WHAM	112	
62	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	12.00			F	H EC	118	
63	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	01.00			F	H EC	118	
64	07.35-08.25	PM	T TH		LAWSON	151	ALLEN DOUGLAS M
	02.00			F	WHAM	328	

03 WORLD LIT FOR COMP 03.0 CR
PREREQ GSD 102 OR THE APPROPRIATE ACT SCORE

1	08.00	M W F	0720	107	
2	08.00	MT TH	0720	108	
3	08.00	M W F	0720	106	
4	08.00	M W F	0720	105	
5	08.00	MT TH	0720	104	

GSC

GSC

6	08.00	M W F	0720	103
7	09.00	M W F	FELTS	130
8	09.00	M W F	WARREN	129
9	09.00	M W F	0720	114
10	09.00	T TH	0720	114
	09.00	F	WHAM	317
11	09.00	M W F	AG	150
12	09.00	T TH	AG	150
	09.00	F	AG	116
13	09.00	M W F	GYM	203
14	10.00	M W F	FELTS	130
15	10.00	M W F	WARREN	129
16	10.00	M	LAWSON	231
	10.00	W	H EC	122
	10.00	F	H EC	104
17	10.00	M W F	GYM	203
18	10.00	T TH	GYM	203
	10.00	M	LAWSON	131
19	10.00	M W F	0721	101
20	10.00	M W F	0720	109
21	11.00	M W F	0720	118
22	11.00	T TH	0720	117
	11.00	F	COMM	1021
23	11.00	M W F	WARREN	129
24	11.00	M W F	0720	117
25	11.00	T TH	WHAM	228
	11.00	F	WHLR	113
26	11.00	T TH	AG	150
	11.00	F	AG	222
27	11.00	M W F	GYM	203
28	12.00	M W F	LS I	16
29	12.00	T TH	LS I	16
	12.00	F	WARREN	129
30	12.00	MT TH	WARREN	129
31	12.00	M WTH	GYM	203
32	12.00	M W F	0720	103
33	12.00	T THF	0720	102
34	12.00	MT TH	AG	150
35	01.00	M W F	ARENA	123
36	01.00	T TH	FELTS	130
	01.00	F	WARREN	129
37	01.00	MT TH	WARREN	129
38	01.00	M W	0862	102
	01.00	TH	H EC	122
39	01.00	M	ARENA	119
	01.00	W F	PARK	204
40	02.00	M WTH	GYM	203
41	02.00	M W F	LS I	205
42	02.00	T TH	0720	105
	02.00	F	0720	106
43	02.00	T F	GYM	203
	02.00	W	0721	101
44	02.00	MT TH	AG	150
45	02.00	T THF	PARK	111
46	02.00	M WTH	0861	101
47	02.00	MT	PULL	39
	02.00	TH	0720	106
48	02.00	M WTH	0720	118
49	03.00	M WTH	0720	107
50	03.00	M W F	0720	105
51	03.00	T THF	PARK	204
52	03.00	MT TH	AG	150
53	03.00	M W F	PARK	111
54	03.00	WTH	0720	101
	03.00	M	WHAM	321
55	03.00	MT TH	0720	104
56	03.00	M WTH	0720	102
57	04.00	M WTH	GYM	203
58	04.00	T THF	0720	102
59	04.00	MT TH	AG	150
60	04.00	T THF	0720	101
61	04.00	TH	PULL	43
	04.00	M W	PULL	41

62	04.00	M T TH	LS I	323		
63	04.00	M WTH	LS I	16		
64	06.00-07.15 PM	M W	WHAM	112		
65	06.00-07.15 PM	M W	PARK	111		
66	06.00-07.15 PM	T TH	PARK	111		
67	06.00-07.15 PM	T TH	PULL	41		
68	06.00-07.15 PM	M W	PULL	41		
69	06.00-07.15 PM	M W	PULL	43		
70	06.00-07.15 PM	M W	WHAM	208		
71	06.00-07.15 PM	M W	H EC	122		
72	07.35-08.50 PM	T TH	H EC	203		
73	07.35-08.50 PM	M W	WHAM	112		
74	07.35-08.50 PM	T TH	H C	202		
75	07.35-08.50 PM	M W	H EC	203		
76	07.35-08.50 PM	M W	H EC	104		
77	07.35-08.50 PM	M W	WHAM	202		
78	07.35-08.50 PM	M W	WHAM	205		
79	07.35-08.50 PM	T TH	WHAM	210		
80	07.35-08.50 PM	M W	H EC	122		
110C	WESTERN HUMANITIES		03.0 CR			
1	10.00	M W F	LAWSON	161	PLOCHMANN G K	
200	ORAL INTERP OF LIT		04.0 CR			
1	08.00	MTWTH	COMM	1018		
2	08.00	TWTHF	COMM	1020		
3	09.00	MTW F	COMM	1020		
4	10.00	TW F	COMM	1018		
	10.00	TH	WHAM	326		
5	12.00	MTW F	COMM	1021		
6	12.00	MTWTH	COMM	1017		
7	01.00	M T THF	COMM	2012		
8	01.00-02.50	M W	COMM	1017		
9	02.00	M W F	COMM	1021		
	02.00	TH	COMM	1018		
10	04.00	TWTHF	COMM	1018		
11	07.35-09.15 PM	T TH	LAWSON	121		
12	07.35-09.15 PM	M W	COMM	1021		
201	INTRO TO DRAMA		03.0 CR			
1	08.00	M T TH	0720	102		
2	08.00	M W F	WHAM	303		
3	09.00	T TH	WHAM	303		
	09.00	F	H EC	201		
4	10.00	M W F	WHAM	303		
5	11.00	T TH	WHAM	303		
	11.00	F	WHAM	206		
6	12.00	M W F	WHAM	303		
7	01.00	M W F	WHAM	303		
8	02.00	M W F	WHAM	303		
9	03.00	M W F	WHAM	303		
10	04.00	M W F	WHAM	303		
11	06.00-07.15 PM	M W	WHAM	303		
12	07.35-08.50 PM	M W	H EC	102		
202	INTRO TO POETRY		03.0 CR			
1	08.00	T TH	WHAM	303		
	08.00	F	WHAM	206		
2	09.00	M W F	WHAM	303		
3	10.00	T TH	WHAM	303		
	10.00	F	WHAM	206		
4	11.00	M W F	WHAM	303		
5	12.00	M	WHAM	307		
	12.00	T TH	WHAM	303		
6	01.00	M	WHAM	307		
	01.00	T TH	WHAM	303		
7	02.00	M TH	LS I	16		
	02.00	T	0720	116		
8	03.00	M	WHAM	307		
	03.00	T TH	WHAM	303		
9	04.00	M	WHAM	307		
	04.00	T TH	WHAM	303		
10	06.00-07.15 PM	T TH	WHAM	303		
203	DRAMA-ARTS OF THEA		03.0 CR			
1	11.00	T TH	COMM	1037	HORN	
	03.00	TH	COMM	1021		

2	11.00	T TH	COMM	1037	HORN	
	04.00	TH	COMM	1017		
3	11.00	T TH	COMM	1037	HORN	
	03.00	F	COMM	1006		
4	11.00	T TH	COMM	1037	HORN	
	04.00	F	COMM	1017		
5	11.00	T TH	COMM	1037	HORN	
	01.00	TH	PIERCE	130		
6	11.00	T TH	COMM	1037	HORN	
	01.00	F	COMM	1018		
7	11.00	T TH	COMM	1037	HORN	
	12.00	F	COMM	1006		
8	11.00	T TH	COMM	1037	HORN	
	02.00	TH	COMM	1021		
9	11.00	T TH	COMM	1037	HORN	
	02.00	F	COMM	1020		
10	11.00	T TH	COMM	1037	HORN	
	12.00	F	COMM	1017		
11	11.00	T TH	COMM	1037	HORN	
	12.00	F	COMM	1022		
12	11.00	T TH	COMM	1037	HORN	
	02.00	F	COMM	1022		
204	MEANING IN VIS ARTS.			04.0 CR		
	PREREQ GSC 101 CR CONSENT					
1	04.00	MTWTH	LAWSON	171		
205	MANS CONTEMP ENVIR			04.0 CR		
1	08.00-09.50	T	LAWSON	121		
	08.00	W F	LAWSON	121		
2	11.00-12.50	T	LAWSON	161		
	12.00	W F	LAWSON	171		
3	02.00-03.50	T	LAWSON	161		
	03.00	THF	LAWSON	161		
206	FOUNDATIONS OF MUS			04.0 CR		
1	08.00	TWTHF	ALTG	116	INTRAVAIA	
2	12.00	TWTHF	ALTG	116	EDDINS	
207	PHIL OF BEAUTIFUL			03.0 CR		
1	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	11.00	TH	H EC	104		
2	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	01.00	TH	AG	116		
3	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	09.00	F	H EC	118		
4	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	10.00	F	H EC	106		
5	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	01.00	F	H EC	203		
6	10.00	T TH	LAWSON	171	MCCLURE GEORGE T	
	02.00	F	WHAM	329		
7	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	08.00	M	H EC	206		
8	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	09.00	M	0862	102		
9	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	12.00	T	H EC	203		
10	10.00	T TH	LAWSON	151	MCCLURE GEORGE T	
	02.00	TH	AG	116		
208	LOGIC AND MEANING			04.0 CR		
1	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	10.00	F	WHAM	205		
2	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	11.00	F	WHAM	202		
3	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	12.00	F	H EC	120		
4	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	01.00	F	H EC	201		
5	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	02.00	F	H EC	206		
6	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	03.00	F	H EC	118		
7	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	10.00	TH	WHLR	212		
8	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	08.00	M	WHLR	113		

9	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	02.00	W	H EC	120		
10	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	03.00	W	WHAM	329		
11	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	08.00	TH	H EC	104		
12	09.00	M W F	LAWSON	171	EAMES S MORRIS	
	09.00	TH	COMM	1018		
13	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	10.00	TH	0721	101		
14	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	11.00	TH	WHLR	107		
15	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	12.00	TH	WHAM	206		
16	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	02.00	TH	WHLR	214		
17	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	08.00	TH	H C	202		
18	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	09.00	TH	COMM	1020		
19	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	11.00	TH	0871	102		
20	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	12.00	TH	WHAM	228		
21	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	03.00	TH	WHAM	205		
22	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	08.00	F	H EC	122		
23	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	09.00	F	PULL	41		
24	01.00	M W F	LAWSON	171	EAMES ELIZABETH R	
	10.00	F	PULL	41		

209 MOD LIT FORM IDEA 04.0 CR

1	08.00	T TH	WHAM	317	
	08.00	M W	COMM	1021	
2	09.00	MT THF	WHAM	307	
3	09.00	T TH	0720	103	
	09.00	W	WHAM	307	
	09.00	F	WHAM	210	
4	10.00	MT THF	WHAM	307	
5	10.00	T TH	0861	101	
	10.00	W	WHAM	307	
	10.00	F	WHAM	203	
6	11.00	MT THF	WHAM	307	
7	11.00	T TH	WHAM	317	
	11.00	W	WHAM	307	
	11.00	F	WHAM	203	
8	12.00	TWTHF	WHAM	307	
9	12.00	MT THF	ABBOTT	129	
10	01.00	TWTHF	WHAM	307	
11	01.00	MT THF	PULL	43	
12	02.00	TWTHF	WHAM	307	
13	02.00	MT THF	WHAM	319	
14	03.00	TWTHF	WHAM	307	
15	03.00	MT THF	WHAM	319	
16	05.45-07.25	M W	WHAM	307	
17	07.35-09.15 PM	M W	WHAM	307	

210 INTRO TO FICTION 03.0 CR

1	08.00	M W F	WHAM	317	
2	09.00	M W F	0875	101	
3	10.00	M W F	0875	101	
4	10.00	M	WHAM	308	
	10.00	W F	PARK	111	
5	11.00	M W F	WHAM	317	
6	12.00	M WTH	H EC	122	
7	12.00	T TH	H EC	206	
	12.00	F	H EC	122	
8	01.00	M WTH	0862	101	
9	02.00	M WTH	PARK	204	
10	03.00	M WTH	GYM	203	
11	04.00	M WTH	WHAM	208	
12	06.00-07.15 PM	M W	H EC	201	
13	06.00-07.15 PM	T TH	WHAM	317	

	14	07.35-08.50 PM	M W	H EC	201		
	15	07.35-08.50 PM	T TH	WHAM	317		
211C	ORIENTAL HUMANITIES			03.0 CR			
	1	09.00	M	LAWSON	221	LIU SHU-HSIEN	
		09.00	W	LAWSON	131		
		09.00	F	AG	214		
215	TYPES OF RELIGION			04.0 CR			
	1	01.00	M W F	WHAM	308	HAYWARD	
		09.00	T	COMM	1018		
	2	01.00	M W F	WHAM	308	HAYWARD	
		12.00	T	COMM	1020		
	3	01.00	M W F	WHAM	308	HAYWARD	
		02.00	T	WHAM	326		
	4	01.00	M W F	WHAM	308	HAYWARD	
		04.00	T	WHAM	201		
307	EARLY ISLAMIC CUL			03.0 CR			
	1	03.00	T TH	H EC	140B		
		11.00	W	H EC	203		
	2	03.00	T TH	H EC	140B		
		02.00	W	PULL	38		
	3	03.00	T TH	H EC	140B		
		04.00	W	H EC	203		
	4	03.00	T TH	H EC	140B		
		03.00	F	H EC	201		
310	REL FOUN-WEST CIVIL			03.0 CR			
	1	01.00	W F	LAWSON	141		
		09.00	TH	0720	117		
	2	01.00	W F	LAWSON	141		
		09.00	F	0862	101		
	3	01.00	W F	LAWSON	141		
		10.00	TH	0720	117		
	4	01.00	W F	LAWSON	141		
		10.00	F	WHAM	317		
312	PHIL-REL FAR EAST			03.0 CR			
	1	12.00	T	LAWSON	141	LIU SHU-HSIEN	
		12.00	THF	LAWSON	161		
317	RECENT AMER LIT			03.0 CR			
	1	08.00	MT TH	WHAM	321		
	2	09.00	M W F	0721	101		
	3	10.00	MT TH	0720	116		
	4	11.00	T THF	0720	116		
	5	12.00	T THF	0720	116		
	6	01.00	MT TH	0720	118		
	7	01.00	M W F	0720	117		
	8	02.00	M WTH	0720	117		
	9	03.00	M WTH	AG	148		
	10	04.00	M WTH	PHY SA	358		
325	BLACK AMER WRITERS			03.0 CR			
	PREREQ GSC 103 CR EQUIVALENT						
	1	01.00	M W	LAWSON	161		
		01.00	F	CL	109		
	2	01.00	M W	LAWSON	161		
		01.00	F	WHAM	208		
	3	01.00	M W	LAWSON	161		
		01.00	F	WHAM	210		
330	CLASSICAL MYTHOLOGY			03.0 CR			
	1	02.00	M WTH	PULL	38	O'BRIEN	
332	CLASSICAL DRAMA			03.0 CR			
	1	01.00	M WTH	PULL	38	O'BRIEN	
342	MODERN ART C-20 CEN			03.0 CR			
	1	08.00	T THF	LAWSON	171		
345A	WORLD LITERATURE			03.0 CR			
	1	10.00	M	0720	106		
		10.00	T TH	0720	103		
	2	11.00	M	AG	220		
		11.00	T TH	AG	170		
345B	WORLD LITERATURE			03.0 CR			
	1	12.00	T	WHAM	317		
		12.00	W F	WHAM	319		
	2	01.00	TW F	H EC	122		
	3	02.00	TW F	LS I	16		
	4	03.00	TW F	LS I	16		

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345C  WORLD LITERATURE                    03.0 CR
    1     10.00          M  W  F    WHAM     329
    2     12.00          M  W  F    AG       188
    3     01.00          M  W  F    WHAM     321
    4     02.00          M  W  F    WHLR     214
    5     03.00          M  WTH     WHAM     317
    6     04.00          M  WTH     H EC     102
348   PHOTOGRAPHY AS COMM             03.0 CR
    1     03.00          MT TH      LAWSON   201  HORRELL
351A  MASTERPIECES NOVEL              03.0 CR
    1     10.00          M          H EC     206
          10.00           T TH      0720     102
    2     01.00          M  W  F    AG       188
351B  MASTERPIECES NOVEL              03.0 CR
    1     08.00          MT TH      WHAM     312
    2     01.00          M          H EC     122
          01.00           T TH      AG       188
354B  HISTORY OF THEATRE              03.0 CR
    1     12.00          M  W  F    TECH A   111  KOZLENKO
363A  PHIL OF SCIENCE                 03.0 CR
    1     10.00          M  W  F    LS I     133  CLARK
      CROSSLISTED WITH GSA 363A
365   SHAKESPEARE                     03.0 CR
    1     12.00          M  W  F    H EC     203
    2     01.00          MT TH      PARK     301
    3     02.00           TWTH      0720     109
370B  AMER MUS  FOLK+JAZZ             03.0 CR
       PREREQ   GSC 100 CR EQUIVALENT
    1     02.00          M  W  F    ALTG     116  BRANCH
383   EARLY MODERN PHIL               03.0 CR
    1     08.00          M  W  F    H EC     208  HOWIE JOHN
    2     12.00          M  W  F    H EC     208  GARTH
    3     01.00          M  W  F    H EC     208  DIEFENBECK JAMES A
    4     02.00          M  W  F    H EC     208   LEONARD
    5     03.00          M  W  F    H EC     208  KELLY MATTHEW
387   RECENT AMER PHIL                03.0 CR
    1     02.00          M  W  F    LAWSON   141  HAHN LEWIS EDWIN
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General Studies Area D—Organization and Communication of Ideas (GSD)

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101   ENGLISH COMPOSITION             03.0 CR
    1     08.00          MT TH      PIERCE   130
    2     08.00          M  W  F    0720     109
    3     09.00           T    F    0720     116
          09.00              W       0720     102
    4     09.00          M  W       0720     116
          09.00                 F    0720     117
    5     09.00           T TH      WHAM     328
          09.00                 F    WHAM     203
    6     10.00          M  W       LAWSON   201
          10.00                 F    H EC     201
    7     10.00           T THF     0720     104
    8     11.00          M  W  F    0871     101
    9     11.00           T TH      0871     101
          11.00                 F    H EC     106
   10     11.00          M  W  F    0871     102
   11     12.00           TW  F     WHAM     203
   12     02.00          MT TH      PHY SA   458
   13     02.00          M          WHAM     307
          02.00           T TH      WHAM     303
   14     03.00          MT TH      0720     108
   15     04.00             THF     0720     103
   16     04.00          MT TH      WHAM     312
   17     06.00-07.15 PM  T TH      AG       144
   18     06.00-07.15 PM  T TH      WHAM     307
   19     07.35-08.50 PM  T TH      AG       144
   20     07.35-08.50 PM  T TH      WHAM     307
102   ENGLISH COMPOSITION             03.0 CR
       PREREQ   GSD 101 CR THE APPROPRIATE ACT
                SCORE
    1     08.00          M  W  F    0721     101
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2	08.00	T THF	0720	114
3	08.00	M W F	0720	116
4	09.00	M W F	0720	118
5	09.00	M	BAILEY	130
	09.00	W F	0861	102
6	10.00	MT TH	0720	114
7	10.00	M W F	0720	117
8	10.00	MT TH	0720	118
9	11.00	TW F	0720	104
10	11.00	M W F	0875	101
11	11.00	MT TH	AG	154
12	12.00	T THF	0720	107
13	12.00	MT TH	WHAM	312
14	12.00	M WTH	0720	108
15	12.00	TW F	0720	109
16	12.00	T THF	0721	101
17	02.00	TW F	PHY SA	358
18	02.00	M TH	PHY SA	358
	02.00	F	WHAM	210
19	02.00	T	0720	117
	02.00	W F	PHY SA	258
20	02.00	T F	WHAM	112
	02.00	W	0720	114
21	03.00	TW F	0720	109
22	03.00	M WTH	0721	101
23	03.00	MT TH	WHAM	312
24	03.00	T THF	0720	114
25	04.00	T	WHAM	317
	04.00	W F	WHAM	321
26	04.00	MT TH	WHAM	321
27	04.00	MT TH	0720	107
28	06.00-07.15 PM	T TH	WHAM	228
29	06.00-07.15 PM	T TH	AG	150
30	06.00-07.15 PM	M W	WHAM	329
31	06.00-07.15 PM	T TH	AG	154
32	07.35-08.50 PM	M W	WHAM	312
33	07.35-08.50 PM	T TH	WHAM	205
34	07.35-08.50 PM	T TH	AG	150
35	07.35-08.50 PM	T TH	H EC	102

103 ORAL COMM OF IDEAS 03.0 CR

1	08.00	M W F	AG	222
	01.00	TH	LAWSON	231
2	08.00	M W F	COMM	1017
	01.00	TH	LAWSON	101
3	08.00	M W F	WHAM	305
	01.00	TH	COMM	1022
4	08.00	M W F	PULL	43
	01.00	TH	COMM	1021
5	08.00	TWTH	PULL	41
	12.00	TH	COMM	1021
6	08.00	T TH	WHAM	305
	08.00	W	WHAM	321
	12.00	TH	COMM	1022
7	09.00	M W F	AG	222
	01.00	TH	LAWSON	231
8	09.00	M W F	COMM	1017
	01.00	TH	LAWSON	101
9	09.00	M W F	WHAM	305
	01.00	TH	COMM	1022
10	09.00	M W F	PULL	43
	01.00	TH	COMM	1020
11	09.00	TWTH	PULL	41
	12.00	TH	COMM	1021
12	09.00	T TH	WHAM	305
	09.00	W	WHAM	321
	12.00	TH	COMM	1022
13	10.00	MT TH	AG	222
	08.00	TH	LAWSON	231
14	10.00	M	COMM	2012
	10.00	T TH	COMM	1017
	08.00	TH	LAWSON	101
15	10.00	MT TH	WHAM	305
	08.00	TH	COMM	1022

16	10.00	M T TH	PULL	41	
	08.00	TH	H EC	201	
17	10.00	M W F	COMM	1017	
	09.00	TH	H EC	201	
18	11.00	M T TH	AG	222	
	08.00	TH	LAWSON	231	
19	11.00	M	COMM	2012	
	11.00	T TH	COMM	1017	
	08.00	TH	LAWSON	101	
20	11.00	M T TH	WHAM	305	
	08.00	TH	COMM	1022	
21	11.00	M T TH	PULL	41	
	08.00	TH	H EC	201	
22	11.00	M W F	COMM	1017	
	09.00	TH	H EC	201	
23	12.00	M W F	COMM	1018	
	12.00	TH	COMM	1020	
SEC 23 RESERVED FOR PRESIDENT SCHOLARS					
24	01.00	T THF	COMM	1017	
	12.00	TH	LAWSON	231	
25	01.00	T THF	PULL	41	
	12.00	TH	LAWSON	101	
26	01.00	W F	AG	150	
	09.00	TH	COMM	1021	
	01.00	M	AG	222	
27	01.00	TWTH	AG	222	
	10.00	TH	LAWSON	231	
28	01.00	M W F	AG	216	
	10.00	TH	LAWSON	101	
29	01.00	M W F	WHAM	305	
	10.00	TH	COMM	1022	
30	02.00	T THF	COMM	1017	
	12.00	TH	LAWSON	231	
31	02.00	T THF	PULL	41	
	12.00	TH	LAWSON	101	
32	02.00	W F	AG	150	
	09.00	TH	COMM	1021	
	02.00	M	AG	222	
33	02.00	TWTH	AG	222	
	10.00	TH	LAWSON	231	
34	02.00	M W F	AG	216	
	10.00	TH	LAWSON	101	
35	02.00	M W F	WHAM	305	
	10.00	TH	COMM	1022	
36	03.00	T THF	PULL	41	
	09.00	TH	LAWSON	231	
37	03.00	T TH	COMM	1022	
	03.00	F	COMM	1020	
	09.00	TH	LAWSON	101	
38	03.00	T F	TECH A	122	
	09.00	TH	COMM	1022	
	03.00	TH	AG	222	
39	03.00	M W	AG	222	
	03.00	F	AG	220	
	11.00	TH	LAWSON	231	
40	03.00	T THF	H C	202	
	11.00	TH	LAWSON	101	
41	03.00	M W F	AG	188	
	11.00	TH	COMM	1021	
42	03.00	M T TH	WHAM	305	
	11.00	TH	COMM	1022	
43	04.00	M WTHF	COMM	1020	
44	04.00	T THF	PULL	41	
	09.00	TH	LAWSON	231	
45	04.00	T THF	COMM	1022	
	09.00	TH	LAWSON	101	
46	04.00	T F	TECH A	122	
	09.00	TH	COMM	1022	
	04.00	TH	AG	222	
47	04.00	M W F	AG	222	
	11.00	TH	LAWSON	231	
48	04.00	T THF	H C	202	
	11.00	TH	LAWSON	101	

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     49    04.00              M W  F    AG       188
           11.00                 TH     COMM    1021
     50    04.00              MT TH     WHAM     305
           11.00                 TH     COMM    1022
     51    06.00-07.25 PM     M W       COMM    1020
           08.00                 TH     COMM    1021
     52    06.00-07.25 PM      T TH     COMM    1020
           10.00                 TH     COMM    1021
     53    06.00-07.25 PM     M W       COMM    1020
           09.00                 TH     H EC     206
     54    06.00-07.25 PM     M W       COMM    2012
           10.00                 TH     COMM    1018
     55    06.00-07.25 PM     M W       COMM    1018
           11.00                 TH     COMM    1018
     56    06.00-07.25 PM      T TH     LAWSON   121
           12.00                 TH     COMM    1018
     57    06.00-07.25 PM      T TH     COMM    1018
           01.00                 TH     COMM    1018
     58    07.35-09.00 PM     M W       COMM    1020
           08.00                 TH     COMM    1021
     59    07.35-09.00 PM      T TH     COMM    1020
           10.00                 TH     COMM    1021
     60    07.35-09.00 PM     M W       COMM    1022
           09.00                 TH     H EC     206
     61    07.35-09.00 PM     M W       COMM    2012
           10.00                 TH     COMM    1018
     62    07.35-09.00 PM     M W       COMM    1018
           11.00                 TH     COMM    1018
     63    07.35-09.00 PM      T TH     COMM    1020
           12.00                 TH     COMM    1018
     64    07.35-09.00 PM      T TH     COMM    1018
           01.00                 TH     COMM    1018
106  INTERMED ALGEBRA                        00.0 CR
      1    08.00              MTWTH     TECH A   420
      2    12.00              MTWTH     AG       154
      3    02.00              MTWTH     TECH A   410
      4    04.00              MTWTH     PHY SC   118
     SECTS 1+4 FOR PRE-111A2+3 FOR PRE-107A
     STUDENTS
107A BASIC COLLEGE MATH                    05.0 CR
      PREREQ   H.S. OR GSD 106
      1    08.00              MTWTHF    AG       224
      2    08.00               TWTHFS   TECH A   422
      3    09.00               TWTHFS   TECH A   422
      4    10.00              M W  F    PHY SC   218
           10.00               T TH     PHY SC   118
      5    11.00               TWTHFS   PHY SA   160
      6    12.00              MTWTHF    TECH A   422
      7    12.00              MTWTHF    PHY SA   156
      8    01.00              MTWTHF    BROWN    130
      9    02.00              MTWTHF    PHY SA   160
     10    03.00              MTWTHF    BROWN    130
     11    06.00-07.25 PM     M WTH     PHY SC   218
     12    07.35-09.00 PM     M W  F    PHY SC   218
107B BASIC COLLEGE MATH                    03.0 CR
      PREREQ   GSD 107A
      1    08.00              M         TECH A   422
           08.00               T TH     TECH A   320
      2    10.00               TW  F    PHY SC   116
      3    11.00              M         PHY SA   160
           11.00               T TH     PHY SC   118
      4    12.00               T TH     TECH A   210
           12.00                   F    ARENA    123
      5    01.00              M  TH     TECH A   408
           01.00                W       TECH A   210
      6    02.00               T        TECH A   208
           02.00                W  F     TECH A   408
      7    04.00              M W  F    PHY SA   160
      8    06.00-07.15 PM      T TH     PHY SA   160
109  ELEMENTS OF PROBAB                    03.0 CR
      PREREQ   GSD 107A
      1    08.00               T THF    TECH A   322
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   2    09.00              T TH     TECH A  322
        09.00            M          TECH A  408
   3    10.00            M WTH      PHY SA  102
   4    11.00              T TH     TECH A  208
        11.00            M          TECH A  420
   5    12.00              TW  F    PHY SA  160
   6    01.00              TW  F    TECH A  408
   7    03.00            MT TH      TECH A  408
   8    04.00            M W  F     PHY SC  116
   9    07.35-08.50 PM     T TH     PHY SC  118
110  ECON-BUS STATISTICS                03.0 CR
      PREREQ   GSD 108B, 114B, OR EQUIV
   1    08.00            M W  F     LAWSON  141
   2    02.00            M W  F     LAWSON  151
   3    06.00-07.25 PM     T TH     LAWSON  141
     SEE CHIN LISTING FOR CHIN CONVERSATION
120C ELEMENTARY CHINESE                 03.0 CR
      PREREQ   GSD 120B
   2    10.00            M W  F     WHLR    113   YANG ISABELLA
     LAB-10 00 TH
123A ELEMENTARY FRENCH                  03.0 CR
   1    11.00            M W  F     0720    102
        11.00               TH      WHLR     18
   2    04.00              T THF     PULL     43A
        04.00            M          WHLR     18
     SEE FR LISTING FOR FR CONVERSATION
123B ELEMENTARY FRENCH                  03.0 CR
      PREREQ   GSD 123A
   1    08.00              T THF     WHLR    113
        08.00            M          WHLR     18
   2    09.00            M W  F     PIERCE  130
        09.00              T        WHLR     18
   3    11.00              T TH S    0720    102
        11.00            M          WHLR     18
   4    12.00              T THF     WHAM    208
        12.00            M          WHLR     18
   5    02.00              T TH      WHLR    113
        02.00                  F     H EC    122
        02.00            M          WHLR     18
   6    03.00            M W         H C     202
        03.00               TH      WHLR    207
        03.00              T        WHLR     18
   7    03.00            M W  F     H EC    203
        03.00              T        WHLR     18
   8    04.00              T THF     PARK    301
        04.00            M          WHLR     18
     SEE FR LISTING FOR FR CONVERSATION
123C ELEMENTARY FRENCH                  03.0 CR
      PREREQ   GSD 123B
   1    08.00              TW  F     AG      188
        08.00            M          WHLR     18
   2    09.00            M W  F     0720    103
        09.00              T        WHLR     18
   3    10.00            M W  F     COMM   1021
        10.00                   S    WHLR     18
   4    10.00              T TH      WHLR    214
        10.00                  F     WHLR    107
        10.00                   S    WHLR     18
   5    11.00            M WTH      0720    103
        11.00                  F     WHLR     18
   6    12.00            M W  F     WHLR    113
        12.00              T        WHLR     18
   7    01.00            M W  F     WHLR    207
        01.00               TH      WHLR     18
   8    01.00            M W        WHAM    301B
        01.00               TH      WHLR     18
        01.00                  F     WHAM    326
   9    02.00              T THF     H EC    120
        02.00            M          WHLR     18
  10    03.00            MT TH      WHLR    107
        03.00                  F     WHLR     18
  11    04.00            M W  F     WHLR    207
        04.00              T        WHLR     18
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12	04.00	M W F	WHLR	107		
	04.00	T	WHLR	18		
13	06.00-07.25 PM	T TH	WHLR	207		
	07.35-08.25 PM	T	WHLR	18		
	SEE FR LISTING FOR FF CONVERSATION					
126A	ELEMENTARY GERMAN			03.0 CR		
1	08.00	MT F	GYM	203		
	08.00	W	WHLR	18		
2	03.00	M W F	WHLR	113		
	03.00	TH	WHLR	18		
	SEE GER FOR LISTING OF GERMAN CONVERSATION					
3	03.00	M W F	WHLR	212		
	03.00	TH	WHLR	18		
126B	ELEMENTARY GERMAN			03.0 CR		
	PREREQ GSD 126A					
1	08.00	M THF	WHLR	214		
	08.00	W	WHLR	18		
2	10.00	M W	PIERCE	130		
	10.00	F	ARENA	123		
	10.00	TH	WHLR	18		
3	12.00	M WTH	GYM	204		
	12.00	F	WHLR	18		
4	02.00	M W F	WHLR	113		
	02.00	TH	WHLR	18		
5	04.00	M WTH	GYM	204		
	04.00	F	WHLR	18		
	SEE GER FOR LISTING OF GERMAN CONVERSATION					
126C	ELEMENTARY GERMAN			03.0 CR		
	PREREQ GSD 126B					
1	08.00	M W F	WHLR	212		
	SEC 1 TAKEN CONCURRENTLY WITH GER 126C SEC 1					
2	08.00	M	H EC	106		
	08.00	T	WHLR	18		
	08.00	W F	WHAM	228		
3	09.00	T	PARK	301		
	09.00	M	WHLR	18		
	09.00	W F	PARK	309		
4	09.00	T TH S	WHLR	207		
	09.00	M	WHLR	18		
	SEE GER FOR LISTING OF GERMAN CONVERSATION					
5	10.00	M W F	WHLR	212		
	10.00	TH	WHLR	18		
6	11.00	M W	WHLR	212		
	11.00	S	WHLR	18		
	11.00	F	H EC	118		
7	12.00	M WTH	PULL	39		
	12.00	F	WHLR	18		
8	01.00	M W F	GYM	204		
	01.00	T	WHLR	18		
9	02.00	M W F	H EC	203		
	02.00	TH	WHLR	18		
10	03.00	M W F	H EC	120		
	03.00	TH	WHLR	18		
11	04.00	M W F	WHLR	212		
	04.00	TH	WHLR	18		
12	06.00-07.25 PM	M W	WHLR	212		
	05.00	W	WHLR	18		
13	06.00-07.25 PM	T TH	H EC	122		
	07.35-08.25 PM	TH	WHLR	18		
130C	ELEMENTARY GREEK			03.0 CR		
	PREREQ GSD 130B					
1	10.00	M W F	WHAM	312	O BRIEN	
133C	ELEMENTARY LATIN			03.0 CR		
	PREREQ GSD 133B					
1	01.00	MT TH	0875	101	SHELBY THOMAS M	
135C	ELEM PORTUGUESE			03.0 CR		
	PREREQ GSD 135B					
1	10.00	MT TH	AG	150	HEVERLY CLEMENT	
	10.00	W	WHLR	18	HEVERLY CLEMENT	

2	01.00	T F	COMM	1021	HEVERLY CLEMENT F	
	01.00	W	COMM	1006		
	01.00	M	WHLR	18		

SEE PORT LISTING FOR PORT CONVERSATION

136B ELEMENTARY RUSSIAN 03.0 CR

PREREQ GSD 136A

1	10.00	M W F	AG	220	
	10.00	T	WHLR	18	

136C ELEMENTARY RUSSIAN 03.0 CR

PREREQ GSD 136B

1	08.00	M W F	H EC	106	
	08.00	TH	WHLR	18	
2	10.00	M W	PULL	39	
	10.00	T	WHLR	18	
	10.00	F	WHAM	228	
3	02.00	M	H EC	120	
	02.00	W	WHLR	18	
	02.00	THF	WHAM	301A	
4	06.00-07.25 PM	T TH	WHLR	212	
	05.00	TH	WHLR	18	

SEE RUSS LISTING FOR RUSS CONVERSATION

140A ELEMENTARY SPANISH 03.0 CR

1	08.00	M W	H EC	203	
	08.00	F	WHLR	18	
	08.00	TH	AG	188	
2	09.00	MT F	ABBOTT	129	
	09.00	W	WHLR	18	
3	09.00	MT F	WHLR	212	
	09.00	W	WHLR	18	
4	02.00	M W F	AG	220	
	02.00	T	WHLR	18	

SEE SPAN LISTING FOR SPAN CONVERSATION

5	03.00	TW F	WHLR	214	
	03.00	M	WHLR	18	
6	03.00	T THF	WHAM	321	
	03.00	M	WHLR	18	
7	06.00-07.25 PM	M W	H EC	102	
	07.35-08.30 PM	M	WHLR	18	

140B ELEMENTARY SPANISH 03.0 CR

PREREQ GSD 140A CR EQUIVALENT

1	08.00	M WTH	0720	101	
	08.00	F	WHLR	18	
2	09.00	M	TECH D	131	
	09.00	WTH	ABBOTT	129	
	09.00	F	WHLR	18	
3	10.00	TW F	0720	101	
	10.00	M	WHLR	18	
4	11.00	MT F	0720	101	
	11.00	W	WHLR	18	
5	11.00	MT F	PULL	43A	
	11.00	W	WHLR	18	
6	12.00	MT TH	WHLR	212	
	12.00	W	WHLR	18	
7	01.00	M WTH	ABBOTT	129	
	01.00	F	WHLR	18	
8	02.00	M W F	PIERCE	130	
	02.00	T	WHLR	18	
9	04.00	MT TH	WHLR	113	
	04.00	W	WHLR	18	
10	06.00-07.25 PM	T TH	WHLR	113	
	05.00	T	WHLR	18	

SEE SPAN LISTING FOR SPAN SPAN CONVERSATION

140C ELEMENTARY SPANISH 03.0 CR

PREREQ GSD 140B CR EQUIVALENT

1	08.00	M W F	WHLR	107	
	08.00	S	WHLR	18	
2	08.00	M W F	AG	148	
	08.00	S	WHLR	18	
3	09.00	MT TH	0720	101	
	09.00	S	WHLR	18	
4	09.00	W F	0720	101	
	09.00	S	WHLR	18	

		09.00	M	0720	102
	5	09.00	M	PHY SC	118
		09.00	F	WHLR	18
		09.00	WTH	WHLR	212
	6	10.00	T TH S	WHLR	113
		10.00	F	WHLR	18
	7	10.00	M TH	0720	101
		10.00	W	WHLR	207
		10.00	F	WHLR	18
	8	10.00	T	WHAM	312A
		10.00	W F	WHAM	201
		10.00	M	WHLR	18
	9	11.00	M W F	PIERCE	130
		11.00	T	WHLR	18
	10	11.00	M W F	WHLR	214
		11.00	T	WHLR	18
	11	12.00	M W F	WHLR	214
		12.00	TH	WHLR	18
	12	12.00	M W F	AG	220
		12.00	TH	WHLR	18
	13	12.00	M THF	WHLR	207
		12.00	W	WHLR	18
	14	01.00	M	FELTS	130
		01.00	T F	H C	202
		01.00	W	WHLR	18
	15	01.00	MT TH	AG	144
		01.00	W	WHLR	18
	16	01.00	MT TH	0720	101
		01.00	F	WHLR	18
	17	02.00	M WTH	0720	101
		02.00	F	WHLR	18
	18	02.00	M WTH	H C	202
		02.00	F	WHLR	18
	19	03.00	MT F	0720	101
		03.00	W	WHLR	18
	20	03.00	T TH	PARK	301
		03.00	W	WHLR	18
		03.00	M	WHAM	228
	21	04.00	MT TH	H EC	104
		04.00	W	WHLR	18
	22	06.00-07.25 PM	M W	WHLR	214
		07.35-08.25 PM	W	WHLR	18
	23	06.00-07.25 PM	T TH	WHLR	214
		05.00	T	WHLR	18
	24	06.00-07.25 PM	M W	H EC	104
		07.35-08.25 PM	W	WHLR	18

SEE SPAN LISTING FOR SPAN CONVERSATION

144C ELEMENTARY ITALIAN 03.0 CR

PREREQ GSD 144B

	1	09.00	M W F	AG	168
		09.00	TH	WHLR	18
	2	06.00-07.25 PM	M W	WHLR	113
		05.00	M	WHLR	18

SEE ITAL LISTING FOR ITAL CONVERSATION

210F UNCOM LANG- SWAHILI 05.0 CR

PREREQ GSD 210E OR EQUIVALENT

	1	09.00	M	WHAM	208
		09.00	TW F	PHY SC	156
		09.00	TH	AG	170

210H UNCOM LANG- VIETNAM 05.0 CR

PREREQ GSD 210G OR EQUIVALENT

	1	12.00	MTWTHF	0720	114

210I UNCOM LANG- VIETNAM 05.0 CR

PREREQ GSD 210H OR EQUIVALENT

		09.00	M F	WHAM	206
		09.00	TWTH	0862	102

210L SERBO-CROATION 05.0 CR

PREREQ GSD 210J

	1	TO BE ARRANGED			

(GSE)

0C	RESTRICTED P E				01.0	CR	
1	10.00		M W F		ARENA	555	
2	10.00		T TH		ARENA	555	CKITA
	08.00			F	LAWSON	151	ACKERMAN
3	11.00		M W F		ARENA	555	CKITA TED Y
1A	SWIMMING-BEGINNING				01.0	CR	
1	10.00		M W F		PULL P	11	ESSICK RAYMOND B
2	10.40-11.20		M W F		PULL P	11	CARROLL
3	11.20-12.00		M W F		PULL P	11	CARROLL
4	12.00		M W F		PULL P	11	CARROLL
5	07.00	PM	MTWTH		PULL P	11	CARROLL
1B	SWIMMING - INTERMED				01.0	CR	
1	08.00-09.50			S	PULL P	11	MILES
2	10.00-11.50			S	PULL P	11	MILES
3	12.00		T TH		PULL P	11	SHEA
2	PHYSICAL FITNESS				01.0	CR	
1	08.00		M	F	PULL	102	BELL
	10.00		W		LAWSON	151	ACKERMAN
2	08.00		M	F	ARENA	555	
	12.00		TH		LAWSON	141	ACKERMAN
3	08.00		T TH		ARENA	555	
	08.00			F	LAWSON	151	ACKERMAN
4	08.00		W	S	ARENA	555	
	08.00			F	LAWSON	151	ACKERMAN
5	09.00		M	F	PULL	102	
	08.00			F	LAWSON	151	
6	09.00		T TH		ARENA	555	
	08.00			F	LAWSON	151	ACKERMAN
7	09.00		T TH		ARENA	555	
	11.00		TH		LAWSON	171	ACKERMAN
8	09.00		W	S	ARENA	555	
	10.00		W		LAWSON	151	ACKERMAN
9	10.00		M	F	ARENA	555	
	11.00		TH		LAWSON	171	ACKERMAN
10	10.00		M	F	ARENA	555	
	12.00		TH		LAWSON	141	ACKERMAN
11	10.00		T TH		ARENA	555	
	10.00		W		LAWSON	151	ACKERMAN
12	10.00		T TH		ARENA	555	
	11.00		TH		LAWSON	171	ACKERMAN
13	10.00		W	S	ARENA	555	
	12.00		TH		LAWSON	141	ACKERMAN
14	11.00		M	F	ARENA	555	
	10.00		W		LAWSON	151	ACKERMAN
15	11.00		M	F	ARENA	555	
	12.00		TH		LAWSON	171	ACKERMAN
16	11.00		T TH		PULL	102	
	10.00		W		LAWSON	151	ACKERMAN
17	11.00		W	S	ARENA	555	
	11.00		TH		LAWSON	171	ACKERMAN
18	12.00		T	F	ARENA	555	
	12.00		TH		LAWSON	141	ACKERMAN
19	01.00		M W		ARENA	555	
	10.00		W		LAWSON	151	ACKERMAN
20	01.00		M W		ARENA	555	
	03.00		W		WHAM	105	ACKERMAN
21	01.00		T TH		PULL	102	
	12.00		TH		LAWSON	141	ACKERMAN
22	01.00		T	F	ARENA	555	
	03.00		W		WHAM	105	ACKERMAN
23	02.00		M W		ARENA	555	
	03.00		M		WHAM	105	ACKERMAN
24	02.00		T TH		PULL	102	
	03.00		M		WHAM	105	ACKERMAN
25	02.00		T	F	ARENA	555	
	03.00		M		WHAM	105	ACKERMAN
3A	SQ AND SOC DANCE				01.0	CR	
1	11.00-12.30		T TH		GYM	114	
2	01.00-02.30		T TH		GYM	114	
3	04.00-05.30		T TH		GYM	114	

	4	04.00-05.30	M W	GYM	114	
104B	ACTIVITY-BADMINTON			01.0	CR	
	1	08.00-09.30	T TH	ARENA	555	MEADE WILLIAM T
	2	09.00-10.30	T TH	ARENA	555	
104D	ACTIVITY-BOWLING			01.0	CR	
	1	08.00	M WTH	U CTR	48	
	2	09.00	M WTH	U CTR	48	
	3	09.00	T FS	U CTR	48	
	4	10.00	M W F	U CTR	48	
	5	10.00	T TH S	U CTR	48	
	6	11.00	M W F	U CTR	48	
	7	11.00	T TH S	U CTR	48	
	8	12.00	M W F	U CTR	48	
	9	12.00-01.30	T TH	U CTR	48	
	10	01.00	M W F	U CTR	48	
	11	01.30-03.00	T TH	U CTR	48	
	12	02.00	M W F	U CTR	48	
	13	03.00	M W F	U CTR	48	
	FEE REQUIRED FOR GSE 104D					
104E	ACTIVITY-GOLF			01.0	CR	
	1	08.00-09.50	F	ARENA	555	BOLICK
		09.00	S	ARENA	555	
	2	09.00-10.30	T TH	ARENA	555	BOLICK
	3	10.00	MT TH	ARENA	555	BOLICK MARK
	4	10.00-11.50	W	ARENA	555	
		10.00	F	ARENA	555	
	5	11.00	MT TH	ARENA	555	HOLDER
	6	12.00	MT TH	ARENA	555	
	7	12.00	W	ARENA	555	
		11.00-12.50	F	ARENA	555	
	8	01.00	M W F	ARENA	555	
	9	01.00-02.50	T	ARENA	555	
		01.00	TH	ARENA	555	
	10	02.00	M W F	ARENA	555	
	11	02.00-03.50	TH	ARENA	555	
		03.00	T	ARENA	555	
	12	03.00	M W F	ARENA	555	
104H	ACTIVITY-TENNIS			01.0	CR	
	1	09.00	M W F	TENNIS	100	
	2	09.00-10.30	T TH	TENNIS	100	
	3	10.00	M W F	TENNIS	100	
	4	10.00	T TH S	TENNIS	100	
	5	11.00	M W F	TENNIS	100	
	6	11.00	T TH S	TENNIS	100	
	7	12.00	M W F	TENNIS	100	
	8	12.00-01.30	T TH	TENNIS	100	
	9	01.00	M W F	TENNIS	100	
	10	01.00-02.15	T TH	TENNIS	100	
	11	02.00	M W F	TENNIS	100	
	12	02.00-03.30	T TH	TENNIS	100	
104J	ACTIVITY-SOFTBALL			01.0	CR	
	1	01.00	M W F	ARENA	555	MARTIN MORRIS G
	2	02.00	M W F	ARENA	555	MARTIN MORRIS G
104W	ACTIVITY-JUDO			01.0	CR	
	1	11.00	T TH	ARENA	555	
	104W RESTRICTED-MUST HAVE CONSENT OF INSTRUCTOR					
104X	ACTIVITY-HANDBALL			01.0	CR	
	1	09.00	MT TH	HDBALL	100	MAZIE ROBERT
	2	10.00	MT TH	HDBALL	100	MAZIE ROBERT
	3	02.00	M W F	HDBALL	100	
	4	02.00-03.30	T TH	HDBALL	100	
	5	03.00	M W F	HDBALL	100	
	GLOVES AND BALL REQUIRED FOR GSE 104X					
105	WEIGHT CONTROL			01.0	CR	
	1	09.00	M W F	ARENA	555	KNOWLTON RONALD
	105 RESTRICTED- MUST HAVE CONSENT OF INSTRUCTOR					
110C	RESTRICTED P E			01.0	CR	
	1	03.00	M W F	GYM	114	COTTEN SARAH EL
111A	SWIMMING-BEGINNING			01.0	CR	
	1	09.00-10.50	T TH	GYM	114	COOPER CAROL

2	10.00-11.50	T TH	GYM	114		
3	01.00-02.30	T TH	GYM	114		
4	02.00-03.50	M W	GYM	114		
1B	SWIMMING-INTERMED		01.0 CR			
	PREREQ GSE 111A CR EQUIVALENT					
1	08.00-09.30	T TH	PULL P	11		
2	09.00-10.30	T TH	PULL P	11		
3	10.00-11.50	T TH	PULL P	11		
4	03.00-04.30	T TH	PULL P	11		
2	EXERCISE FOR FITNES		01.0 CR			
1	07.00-08.30	M W	GYM	208		
2	09.00	M W F	GYM	208	BLACKMAN CLAUDIA JO	
3	02.00	M W F	GYM	207	BLACKMAN CLAUDIA JO	
3A	SQUARE DANCE		01.0 CR			
1	11.00-12.30	T TH	GYM	114		
2	01.00-02.30	T TH	GYM	114	LITHERLAND BARBARA A	
3	04.00-05.30	T TH	GYM	114	LITHERLAND BARBARA A	
4	04.00-05.30	M W	GYM	114	LITHERLAND BARBARA A	
	CROSSLISTED WITH PEM 103A					
3D	DANCE-BEG CONTEMP		01.0 CR			
1	08.00	M W F	GYM	208		
2	08.00	T TH S	GYM	208		
3E	DANCE-INT CONTEMP		01.0 CR			
1	11.00	M W F	GYM	208	LITHERLAND BARBARA A	
4A	ACTIVITY-ARCHERY		01.0 CR			
1	12.00-01.30	T TH	GYM	208		
2	01.30-02.50	T TH	GYM	208		
3	02.00-03.30	T TH	GYM	208		
4B	ACTIVITY-BADMINTON		01.0 CR			
1	09.00	T TH S	GYM	207		
2	12.00	M W F	GYM	207		
3	12.00	TWTH	GYM	207		
4	07.00-08.30 PM	T TH	GYM	207	MOORE	
4D	ACTIVITY-BOWLING		01.0 CR			
1	08.00	M W F	U CTR	48		
2	09.00	M W F	U CTR	48	MOORE	
3	10.00	M W F	U CTR	48		
4	11.00	M W F	U CTR	48		
5	12.00	M W F	U CTR	48		
6	01.00	M W F	U CTR	48	LITHERLAN	
7	02.00	M W F	U CTR	48		
8	03.00	M W F	U CTR	48		
	FEE REQUIRED FOR BOWLING					
4E	ACTIVITY-GOLF		01.0 CR			
1	08.00-09.30	T TH	GYM	114	MOORE BILLIE JEAN	
2	09.00-10.30	T TH	GYM	114	STEHR JEAN	
3	10.00-11.30	T TH	GYM	114	ILLNER	
4	10.00	M W F	GYM	114	BRECHTELSBAUER KAY	
5	12.00	M W F	GYM	114	BRECHTELSBAUER KAY	
6	02.00	M W F	GYM	114	MOORE BILLIE JEAN	
7	03.00	T THF	GYM	114	MOORE BILLIE JEAN	
8	05.00	M WTH	GYM	114		
4H	ACTIVITY-TENNIS		01.0 CR			
1	08.00-09.30	M F	GYM	206	COOPER CAROL	
2	08.00-09.30	T TH	GYM	206	BLACKMAN CLAUDIA JO	
3	08.00-09.30	W S	GYM	207		
4	09.00-10.30	M F	GYM	206	LITHERLAN	
5	09.00-10.30	T TH	GYM	208		
6	09.00-10.30	W S	GYM	205		
7	10.00-11.30	M S	GYM	207	LEONARD PEGGY L	
8	12.00-01.30	T TH	GYM	207		
9	12.00-01.30	M W	GYM	206		
10	01.00-02.30	M W	GYM	208		
11	01.00-02.30	T TH	GYM	206		
4I	ACTIVITY-VOLLEYBALL		01.0 CR			
1	10.00	M FS	GYM	208		
2	10.00	TWTH	GYM	208	BLACKMAN	
3	11.00	T TH S	GYM	114		
4	12.00	M W F	GYM	208	BLACKMAN CLAUDIA JO	
4M	ACTIVITY-FENCING		01.0 CR			
1	08.00	M W F	GYM	114	COTTEN SARAH ELLEN	
2	09.00	M W F	GYM	114	BRECHTELSBAUER KAY	

3	11.00	M W F	GYM	114	MOORE BILLIE JEA
4	02.00	M W F	GYM	114	BRECHTELS
5	05.00-06.30	T TH	GYM	114	
114P	ACTIVITY-GYM + TUMB		01.0	CR	
1	11.00	M FS	GYM	207	
2	03.00	M W F	GYM	207	
114R	TRACK AND FIELD		01.0	CR	
1	01.00-02.30	M W	GYM	114	MOORE
201	HEALTHFUL LIVING		03.0	CR	
1	08.00	T TH S	ARENA	119	
2	08.00	M W F	BAILEY	130	
3	08.00	M W F	ARENA	119	
4	08.00	M W	LAWSON	171	
	08.00	TH	ARENA	125	
5	08.00	M W	LAWSON	171	
	09.00	TH	0875	101	
6	08.00	M W	LAWSON	171	
	12.00	TH	TECH A	220	
7	08.00	M W	LAWSON	171	
	01.00	TH	ARENA	119	
8	08.00	M W	LAWSON	171	
	02.00	TH	TECH A	208	
9	08.00	M W	LAWSON	171	
	08.00	F	ARENA	123	
10	08.00	M W	LAWSON	171	
	09.00	F	ARENA	123	
11	08.00	M W	LAWSON	171	
	12.00	F	TECH A	222	
12	08.00	M W	LAWSON	171	
	01.00	F	ARENA	119	
13	08.00	M W	LAWSON	171	
	02.00	F	TECH A	222	
14	09.00	M W	COMM	1018	
	09.00	F	ARENA	121	
15	09.00	M W F	COMM	1021	
16	09.00	M W F	COMM	1022	
17	09.00	M W	LAWSON	101	
	09.00	TH	TECH A	410	
18	09.00	M W	LAWSON	231	
	09.00	F	TECH A	222	
19	09.00	M W	H EC	201	
	09.00	TH	TECH A	420	
20	09.00	M W F	H EC	206	
21	09.00	M W F	0871	101	
22	10.00	M W F	0862	102	
23	10.00	M W F	PHY SC	118	
24	11.00	M W	COMM	1018	
	11.00	TH	TECH A	210	
25	11.00	M W	COMM	1021	
	11.00	F	TECH A	222	
26	11.00	M W F	COMM	1022	
27	11.00	M W	LAWSON	101	
	11.00	F	TECH A	308	
28	11.00	M W F	LAWSON	231	
29	11.00	M W	H EC	206	
	11.00	TH	TECH A	220	
30	11.00	M W F	ARENA	121	
31	12.00	M W	LAWSON	151	
	08.00	TH	ARENA	123	
32	12.00	M W	LAWSON	151	
	09.00	TH	FELTS	130	
33	12.00	M W	LAWSON	151	
	12.00	TH	AG	188	
34	12.00	M W	LAWSON	151	
	01.00	TH	ARENA	121	
35	12.00	M W	LAWSON	151	
	02.00	TH	ARENA	121	
36	12.00	M W	LAWSON	151	
	08.00	F	TECH A	222	
37	12.00	M W	LAWSON	151	
	09.00	F	TECH A	308	
38	12.00	M W	LAWSON	151	

	12.00		F	0862	102
39	12.00	M W		LAWSON	151
	01.00		F	ARENA	125
40	12.00	M W		LAWSON	151
	02.00		F	ARENA	125
41	01.00	M W		COMM	1018
	01.00		F	COMM	1018
42	01.00	M W		COMM	1021
	01.00		F	TECH A	308
43	01.00	M W	F	COMM	1022
44	01.00	M W	F	LAWSON	231
45	01.00	M W		H EC	201
	01.00	TH		PHY SA	156
46	01.00	M W	F	H EC	206
47	01.00	M W	F	ARENA	121
48	02.00	M W	F	ARENA	121
49	03.00	M W		LAWSON	161
	08.00	TH		AG	150
50	03.00	M W		LAWSON	161
	09.00	TH		0871	101
51	03.00	M W		LAWSON	161
	12.00	TH		PHY SA	160
52	03.00	M W		LAWSON	161
	01.00	TH		ARENA	123
53	03.00	M W		LAWSON	161
	02.00	TH		TECH D	131
54	03.00	M W		LAWSON	161
	08.00		F	TECH A	308
55	03.00	M W		LAWSON	161
	09.00		F	TECH A	310
56	03.00	M W		LAWSON	161
	12.00		F	TECH A	308
57	03.00	M W		LAWSON	161
	01.00		F	TECH A	310
58	03.00	M W		LAWSON	161
	02.00		F	ARENA	123
59	06.00-07.25 PM	M W		PHY SC	118

SCHEDULE OF DEPARTMENTAL COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
Accounting (ACCT)				
20	ACCT FUNDAMENTALS		04.0 CR	
1	08.00	MT THF	LAWSON 201	
21A	FINANCIAL ACCT		04.0 CR	
	PREREQ SOPHOMORE STANDING			
1	03.00	T F	LAWSON 141	
	09.00	M W	CL 12	
2	03.00	T F	LAWSON 141	
	10.00	M TH	CL 12	
3	03.00	T F	LAWSON 141	
	11.00	M W	LAWSON 121	
4	03.00	T F	LAWSON 141	
	12.00	M TH	CL 18	
5	03.00	T F	LAWSON 141	
	03.00	M TH	CL 18	
6	05.45-07.25	T TH	CL 12	
21B	FINANCIAL ACCT		04.0 CR	
	PREREQ ACCT 251A			
1	09.00	TH	LAWSON 151	
	08.00	M W F	CL 12	
2	09.00	TH	LAWSON 151	
	10.00	M W F	CL 18	
3	09.00	TH	LAWSON 151	
	12.00	M W F	CL 12	
4	09.00	TH	LAWSON 151	
	02.00	M W F	CL 18	
5	09.00	TH	LAWSON 151	
	03.00	M W F	CL 12	
6	09.00	TH	LAWSON 151	
	04.00	M W F	CL 18	

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261   MANAGEMENT ACCT                    04.0 CR
       PREREQ   ACCT 251B AND MATH 111A
    1    11.00                F    LAWSON  161
         09.00             T TH    CL       12
         09.00              W      CL       18
    2    11.00                F    LAWSON  161
         10.00             T TH    CL       18
         10.00              W      CL       12
    3    11.00                F    LAWSON  161
         12.00             T TH    CL       12
         12.00              W      CL       18
    4    11.00                F    LAWSON  161
         02.00             T TH    CL       18
         02.00              W      CL       12
    5    11.00                F    LAWSON  161
         03.00             T TH    CL       12
         03.00              W      CL       18
    6    11.00                F    LAWSON  161
         04.00             T TH    CL       18
         04.00              W      CL       12
    7    11.00                F    LAWSON  161
         08.00             TWTH    CL       18
    8    05.45-07.25       T TH    CL       18
309   INDIV INCOME TAX                   02.0 CR
       PREREQ   NON-MAJORS ONLY
    1    10.00             T   F    CL       12
315   EDP IN BUSINESS                    04.0 CR
       PREREQ   ACCT 261
    1    01.00              T       LAWSON  161
         04.00            M WTH     LAWSON  131
    2    01.00              T       LAWSON  161
         08.00            M WTH     AG      154
    3    01.00              T       LAWSON  161
         01.00            M W       AG      168
         01.00               TH     AG      216
331   TAX ACCOUNTING                     04.0 CR
       PREREQ   ACCT 261
    1    01.00            MT THF    CL       18
351A  INTERMEDIATE ACCT                 04.0 CR
       PREREQ   ACCT 261
    1    11.00            M WTHF    CL       18
351B  INTERMEDIATE ACCT                 04.0 CR
       PREREQ   ACCT 351A
    1    11.00            MTWTH     CL       12
432   PROB IN FED TAX                   04.0 CR
       PREREQ   ACCT 331
    1    11.00            M WTHF    CL       24
442   ADV COST ACCOUNTING               04.0 CR
       PREREQ   ACCT 341
    1    10.00            MTWTH     CL       24
453   ADVANCED ACCOUNTING               04.0 CR
       PREREQ   ACCT 351A,B
    1    09.00            MT THF    CL       18
456   AUDITING                          04.0 CR
       PREREQ   ACCT 331, 341, AND 351A,B
    1    01.00            MT THF    CL       12
458   ACCOUNTING SYSTEMS                04.0 CR
       PREREQ   ACCT 331, 351A,B
    1    02.00            MT THF    CL       12
475   BUDGETING + SYSTEMS               04.0 CR
       PREREQ   ACCT 261, FIN 320
    1    01.00            MT THF    CL       24
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Aerospace Studies (A S)

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100A  CORPS TRAINING                    00.0 CR
    1    10.00             T       PULL     42  STALEY
103   US MILITARY POSTURE               01.0 CR
    1    09.00             T       WHLR    113  STALEY HENRY A
    2    09.00               TH    WHLR    113  MURPHY EDWARD (
    3    11.00             T       WHLR    113  STALEY HENRY A
    4    11.00               TH    WHLR    113  MURPHY EDWARD (
200A  CORPS TRAINING                    00.0 CR
    1    10.00             T       PULL     42  STALEY
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IDEOLOG CONFLICTS 01.0 CR
PREREQ AS 101, 102, 103
1 08.00 W WHLR 113 STALEY HENRY A
2 11.00 W WHLR 113 STALEY HENRY A
CORPS TRAINING 00.0 CR
1 10.00 T PULL 42 STALEY
AEROSPACE STUDIES 03.0 CR
PREREQ AS 302
1 10.00 M WTH WHLR 107 DUFAUD
2 02.00 M WTH WHLR 107 DUFAUD
CORPS TRAINING 00.0 CR
1 10.00 T PULL 42 STALEY
MILITARY MGT 03.0 CR
1 09.00 M WTH WHLR 107 ENGLAND
2 01.00 M WTH WHLR 107 ENGLAND

ricultural Industries (AG I)

STRUCTURES + ELECT 04.0 CR
1 04.00 T TH AG 225 DOERR
03.00-04.50 M W AG 155
GENERAL AGRICULTURE 04.0 CR
1 03.00 MT TH AG 225 BENTON RALPH A
03.00-04.50 W AG 225 BENTON RALPH A
AGR ADULT EDUCATION 03.0 CR
PREREQ GUID 305, JUNIOR STANDING
1 08.00 M W F AG 216 BUILA
AGRICULTURAL MKTG 03.0 CR
PREREQ AG I 204 OR GSB 211A
1 01.00 M W F AG 225 SOLVERSON LYLE
FARM SHOP 03.0 CR
PREREQ GSD 107A OR EQUIVALENT
1 08.00-09.50 M W F 0831 101 PATERSON JOHN J
2 03.00-04.50 M W F 0831 101 PATERSON JOHN J
AGRI SEMINAR 01.0 TO 02.0 CR
PREREQ SENIORS ONLY
1 04.00 T AG 114 BUILA THEODORE
SPEC STUD AG I 01.0 TO 06.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
PRIN AG MECHANIZAT 04.0 CR
1 09.00 M W AG 225 WOOD + DOERR
08.00-09.50 T TH AG 155
2 09.00 M W AG 225 WOOD + DOERR
10.00-11.50 T TH AG 155
ADV FARM MANAGEMENT 04.0 CR
PREREQ AG I 350
1 11.00 MTW AG 225 OSBURN
11.00-12.50 F AG 225
AG MKTG - LIVESTOCK 02.0 CR
PREREQ AG I 354, OR CONSENT OF INSTR
1 12.00 T TH AG 225 HAAG HERMAN M
LAND RESOURCE ECON 04.0 CR
PREREQ AG I 350 OR FOR 470
1 08.00 MTW F AG 225 LANGFORD
ADVANCED FARM POWER 04.0 CR
PREREQ AG I 373 OR EQUIV
1 01.00 M W AG 155 PATERSON JOHN J
01.00-02.50 T TH 0831 101 PATERSON JOHN J
2 01.00 M W AG 155
10.00-11.50 T TH 0831 101
READINGS 01.0 TO 06.0 CR
1 TO BE ARRANGED
INTER VOC COOP ED 03.0 CR
PREREQ STUDENT TEACHING
1 09.00-11.30 S TECH D 130 RAMP
PROD MANAGEMENT 04.0 CR
PREREQ 12 HRS IN ECON OR AG ECON AND
CONSENT OF INSTR
1 02.00 MTWTH AG 225 HERR WILLIAM M
ADVANCED AG PRICES 02.0 CR
PREREQ AG I 352
1 09.00 W F AG 155 SOLVERSON LYLE

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575   RESEARCH                    01.0 TO 06.0 CR
    1     TO BE ARRANGED
581   SEMINAR                     01.0 TO 06.0 CR
    1     08.00             M W  F    AG       155
599   THESIS                      01.0 TO 09.0 CR
    1     TO BE ARRANGED
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Animal Industries (AN I)

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121   ANIMAL SCIENCE                        05.0 CR
       PREREQ   NONE
    1     11.00             MTW  F    AG       102  MARION
          10.00-11.50          TH     AG       102A
    2     11.00             MTW  F    AG       102  MARION
          01.00-02.50          TH     AG       102A
    3     11.00             MTW  F    AG       102
          08.00-10.00          TH     AG       102A
311B  EVAL + SEL FARM ANI                   02.0 CR
       PREREQ   AN I 318 CR CONSENT OF INSTR
    1     08.00-11.50             S  AG       132  GOODMAN BILLY LI
      POULTRY
    2     08.00-11.50             S  AG       120  MILLER HOWARD W
      LIVESTOCK
    3     03.00-04.50          W  F    AG       120  STILES
      DAIRY
319   HORSES                                03.0 CR
       PREREQ   AN I 315 CR CONSENT OF INSTR
    1     01.00             M W       AG       116  MARION
          01.00-02.50        T        AG       114  MARION
    2     01.00             M W       AG       116
          01.00-02.50          TH     AG       132  MARION
321   PROCESS POULT PROD                    04.0 CR
       PREREQ   AN I 121
    1     09.00             M WTH     AG       132  HINNERS SCOTT W
          09.00-10.50        T        AG       132  HINNERS SCOTT W
337   ANIMAL HYGIENE                        04.0 CR
       PREREQ   AN I 121
    1     12.00             MTWTH     AG       116  STRACK LOUIS E
381   AGRICULTURAL SEM         01.0 TO 02.0 CR
       PREREQ   SENIOR STANDING
    1     04.00              T        AG       114  OLSON
390   SPEC STUD AN I           01.0 TO 06.0 CR
       PREREQ   JR OR SR STANDING AND CONSENT
                OF DEPT CHAIRMAN
    1     TO BE ARRANGED
415B  ANIMAL NUTRITION                      04.0 CR
       PREREQ   AN I 415A
    1     08.00             MTW       AG       116  BURNSIDE JOSEPH
          08.00-09.50          TH     AG       120  BURNSIDE JOSEPH
420   COM POULTRY PROD                      04.0 CR
       PREREQ   AN I 121
    1     03.00             MT TH     AG       132  HINNERS SCOTT W
          03.00-04.50          W       AG       132  HINNERS SCOTT W
430   DAIRY CAT BREED+MGT                   04.0 CR
       PREREQ   AN I 332
    1     02.00              TW  F    AG       116  OLSON HOWARD H
          01.00-02.50          TH     AG       114  OLSON HOWARD H
432   QUANT INHERITANCE                     03.0 CR
       PREREQ   AN I 332
    1     01.00             MT   F    AG       132  GOODMAN
456B  AG MKTG - LIVESTOCK                   02.0 CR
       PREREQ   GSB 211A CR CONSENT OF INSTR
    1     12.00             M  TH     AG       225  WILLS WALTER J
487   COMM LIVESTOCK FEED                   04.0 CR
       PREREQ   AN I 315 AND ORGANIC CHEMISTRY
    1     09.00             MTW       AG       116  STILES
          09.00-10.50            F    AG       114
520   READINGS IN AN IND       01.0 TO 06.0 CR
    1     TO BE ARRANGED
575   INDIVIDUAL RESEARCH      01.0 TO 06.0 CR
    1     TO BE ARRANGED
581   SEMINAR                  01.0 TO 06.0 CR
    1     04.00              T        AG       225  BURNSIDE
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THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

hropology (ANTH)

INTRODUCTORY ANTH 03.0 CR
1 11.00 T THF H EC 206 ALTSCHULE
D INDIV STUDY-GENERAL 02.0 TO 18.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
ORIG CIVILIZATION 03.0 CR
PREREQ GSB 102A CR ANTH 275D
1 12.00 M THF H EC 106 WEIGAND
2 01.00 M W F H EC 106 RILEY CARROLL LAVERN
C PEOPLE-CULT WORLD I 03.0 CR
PREREQ GSB 102A CR ANTH 275D
1 09.00 M W F H EC 106 WALKER MALCOLM T
C PEOPLE-CULT WRLD II 03.0 CR
PREREQ GSB 102A CR ANTH 275D
1 02.00 M W F H EC 106 MULLER
MAN AND CULTURE 04.0 CR
PREREQ ANTH 250 CR EQUIVALENT
1 10.00-11.50 M W H EC 106 TAYLOR WALTER W
LANGUAGE IN CULTURE 04.0 CR
PREREQ GSB 102A CR ANTH 275D
1 01.00-02.50 T TH H EC 106 GRIMES
2 03.00-04.50 M W H EC 106 MARING JOEL M
APPLIED ANTHROPOLOG 03.0 CR
PREREQ GSB 102A-4 OR ANTH 275D-4
1 11.00-12.50 T H EC 106 WALKER MALCOLM T
11.00 TH H EC 106
LOGIC OF SOCIAL SCI 03.0 CR
PREREQ GSB 102A CR ANTH 275D
1 11.00 T THF H EC 203 MCCLURE GEORGE T
CROSSLISTED WITH PHILOSOPHY
ARCHAEOL OF N AMER 03.0 CR
PREREQ GSB 102A-4 OR ANTH 275D-4
1 09.00-10.50 T H EC 106 BELMONT
09.00 TH H EC 106
INDIV STUDY IN ANTH 01.0 TO 18.0 CR
PREREQ GSB 102A CR ANTH 275D-4
1 TO BE ARRANGED
SEM MESO-AMER ARCH 03.0 TO 09.0 CR
1 07.30-10.00 PM W H EC 106 RANDS ROBERT L
SEM-COMP SOCIAL ORG 03.0 CR
1 10.00-12.30 F CL 25 SCHUSKY
SEM-ANTH THRY + MET 03.0 TO 09.0 CR
PREREQ CONSENT OF DEPT
1 07.30-10.00 PM T H EC 122A MULLER
SEM-ANTHROPOLOGY 03.0 TO 09.0 CR
PREREQ CONSENT OF DEPT
1 03.00-05.30 T H EC 106 TAYLOR
PROB-ARCHAEOLOGY 01.0 TO 27.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
PROB-CULTURAL ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
READINGS IN ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
B FIELD METHODS-ETHNO 03.0 CR
1 03.00-05.30 TH H EC 8E MARING
B FIELD METHODS ARCH 03.0 CR
1 03.00-05.30 F H EC 106 RACKERBY
FIELDWORK IN ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED
DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED

plied Science (APS)

UNIV PHYSICS IV 05.0 CR
PREREQ PHYS 111, 206, OR 211
1 03.00 MTW F PHY SC 218

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          04.00              T        PHY SC  404
          04.00-05.50          W      PHY SC  404
     2    03.00            M TW  F    PHY SC  218
          04.00              T        PHY SC  404
          03.00-04.50          TH     PHY SC  404
     CROSS-LISTED WITH PHYS 300
401C  X-RAY CRYSTALLOGPHY                  04.0 CR
     1    04.00            M W          TECH B  141
          03.00-04.50            F      TECH B  141
410B  ELECT + INST FOR LS                  04.0 CR
     1    TO BE ARRANGED
430   SPECIAL PROBLEMS          02.0 TO 08.0 CR
      PREREQ   CONSENT OF COORDINATOR
     1    TO BE ARRANGED
501C  MATERIALS SCIENCE                    04.0 CR
     1    TO BE ARRANGED
503C  PROP-CRYST MATERIAL                  04.0 CR
     1    TO BE ARRANGED
504C  X-RAY DIFFRACTION                    04.0 CR
      PREREQ   GRAD STANDING
     1    TO BE ARRANGED
521B  DES AUTO PROG LANG                   03.0 CR
      PREREQ   AP S 421
     1    TO BE ARRANGED
522A  PRO SYSTEM DESIGN                    03.0 CR
      PREREQ   AP S 422
     1    10.00            M  TH      TECH D  116
570   SPECIAL INVESTIGAT       02.0 TO 06.0 CR
     1    TO BE ARRANGED
580   SEMINAR                  01.0 TO 09.0 CR
     1    TO BE ARRANGED
599   THESIS                   01.0 TO 09.0 CR
     1    TO BE ARRANGED
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Art (ART)

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100A  SCULPTURE-CRAFTS                     04.0 CR
     1    08.00-09.50      M W  F    ALLYN   112  ADDINGTON ALDON
     2    10.00-11.50      M W  F    ALLYN   112  ADDINGTON ALDON
100B  CRAFTS-SCULPTURE                     04.0 CR
     1    12.00-01.50      M W  F    ALLYN   112  BOYSEN BILL H
     2    02.00-03.50      M W  F    ALLYN   112  BOYSEN BILL H
100C  PAINTING-GRAPHICS                    04.0 CR
     1    11.00-01.50        T TH    ALLYN   112  LINK LAWRENCE J
     2    04.00-05.50      M W  F    ALLYN   112  LINK LAWRENCE J
100D  GRAPHICS-DRAWING                     04.0 CR
     1    12.00-01.50      M W  F    ALLYN   106  GREENFIELD SYLV
     2    02.00-03.50      M W  F    ALLYN   106  WILDER STEPHEN
100E  DRAWING-PAINTING                     04.0 CR
     1    08.00-09.50      M W  F    ALLYN   106  LITTLEFIELD LEE
     2    10.00-11.50      M W  F    ALLYN   106  WILDER STEPHEN
200A  SCULPTURE                            04.0 CR
      PREREQ   ART 100(ABCDE)
     1    08.00-09.50      M W  F    0549    101  WALSH THOMAS J
     2    10.00-11.50      M W  F    0549    101  WALSH THOMAS J
200B  DRAWING                              04.0 CR
      PREREQ   ART 100(ABCDE)
     1    08.00-10.50        T TH    ALLYN   202  PAULSON ROBERT
     2    08.00-09.50      M W  F    ALLYN   202  WILDER STEPHEN
200C  PAINTING                             04.0 CR
      PREREQ   ART 100(ABCDE)
     1    02.00-03.50      M W  F    ALLYN   202  LITTLEFIELD LEE
     2    02.00-04.50        T TH    ALLYN   202  LINK LAWRENCE
225C  INTRO TO ART HIST                    03.0 CR
     1    09.00              T       LAWSON  151  COVINTREE GEORG
          09.00                W  F  LAWSON  141
300   ART EDUCATION              02.0 TO 12.0 CR
     1    08.00              T TH    LAWSON  161  WOOD DANNY D
          10.00-11.50        T TH    PULL I  105  WOOD DANNY D
     2    08.00              T TH    LAWSON  161  WOOD DANNY D
          01.00-02.50        T TH    PULL I  105  WOOD DANNY D
     3    08.00              T TH    LAWSON  161
          12.00-01.50      M W       PULL I  105
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    4    08.00              T TH     LAWSON  161  WOOD DANNY D
         02.00-03.50        M W      PULL I  105  WOOD DANNY D
    5    03.00-04.50        T TH     PULL I  105  WOOD DANNY D
         08.00              T TH     LAWSON  161
302 POTTERY                    02.0 TO 12.0 CR
    1    08.00-10.50        T TH     ALLYN     5  VERGETTE NICHOLAS
    2    08.00-09.50        M W  F   ALLYN     5  BOYSEN BILL H
    3    02.00-04.50        T TH     ALLYN     5  VERGETTE NICHOLAS
306 MAT-TECH ART ED /P/                03.0 CR
    1    08.00-09.50        M W      PULL I  105  GREENFIELD SYLVIA R
307 THEORY+PHIL ART ED                 03.0 CR
    1    09.00              M W  F   PULL I  105  ABRAHAMSON ROY E
308 CUR + ADM - ART ED                 03.0 CR
    1    02.00              M W  F   PULL I  105  LAWSON ELNORA
320 ADVANCED PAINTING          02.0 TO 12.0 CR
     PREREQ   ART 100, ART 200
    1    10.00-11.50        M W  F   ALLYN   202  ONKEN MICHAEL O
    2    05.00-07.50        T TH     ALLYN   202  ONKEN MICHAEL O
332 JEWEL + SILVERSMITH        02.0 TO 12.0 CR
    1    08.00-09.50        M W  F   ALLYN    11  KINGTON LOUIS BRENT
    2    12.00-01.50        M W  F   ALLYN    11  KINGTON LOUIS BRENT
    3    02.00-03.50        M W  F   ALLYN    11  HU MARY LEE
341 DRAWING                    02.0 TO 12.0 CR
    1    11.00-01.50        T TH     ALLYN   202  PAULSON ROBERT L
    2    12.00-01.50        M W  F   ALLYN   202  LITTLEFIELD LEE F
358 PRINTS                     02.0 TO 12.0 CR
    1    02.00-03.50        M W  F   ALLYN   210  KOLDEN LARRY D
365 ART EDUC SECON SCH                 04.0 CR
    1    12.00-01.50        M W  F   PULL I  105B GREENFIELD SYLVIA R
385 WEAVING                    02.0 TO 12.0 CR
    1    02.00-04.50        T TH     0702    101  GINSBERG RUTH L
    2    06.00-08.50 PM     T TH     0702    101  GINSBERG RUTH L
   SECT 2 RESTRICTED TO ART STUDENTS
393 SCULPTURE                  04.0 TO 12.0 CR
     PREREQ   ART 200-12 HRS
    1    08.00-10.50        T TH     0549    101  SULLIVAN MILTON F
401 RESEARCH PAINTING          02.0 TO 12.0 CR
    1    08.00-09.50        M W  F   0549    101  BERNSTEIN LAWRENCE
405 STUDIO IN SCULPTURE        02.0 TO 12.0 CR
     PREREQ   CONSENT OF INSTRUCTOR
    1    02.00-04.50        T TH     0549    101  SULLIVAN MILTON F
408 ART ED ELEM TCH II                 04.0 CR
     PREREQ   ART 300
    1    03.00-04.50        M W  F   PULL I  105  LAWSON ELNORA
410 RESEARCH IN PRINTS         02.0 TO 12.0 CR
    1    10.00-11.50        M W  F   ALLYN   210  KOLDEN LARRY D
420 RESEARCH POTTERY           02.0 TO 12.0 CR
    1    11.00-01.50        T TH     ALLYN     5  VERGETTE NICHOLAS
430 RES METAL CONSTR           02.0 TO 12.0 CR
    1    10.00-11.50        M W  F   ALLYN    11  KINGTON LOUIS BRENT
440 RESEARCH IN WEAVING        02.0 TO 12.0 CR
    1    11.00-01.50        T TH     0702    101  GINSBERG RUTH L
441 STUDIO IN DRAWING          02.0 TO 12.0 CR
     PREREQ   ART 341-12 HRS
    1    04.00-05.50        M W  F   ALLYN   202  ONKEN MICHAEL O
460 RESEARCH ART EDUC          02.0 TO 12.0 CR
    1    12.00              M W  F   PULL I  105  ABRAHAMSON ROY E
482C ART HIST SEM-REN                  03.0 CR
    1    TO BE ARRANGED                          KURTZ BRUCE D
483C RES ART HIST-REN                  03.0 CR
    1    TO BE ARRANGED                          CHAITKIN WILLIAM A
501 SEMINAR PAINTING           02.0 TO 12.0 CR
    1    08.00-09.50        M W  F   0549    101  BERNSTEIN LAWRENCE
502 SEM IN SCULPTURE           02.0 TO 12.0 CR
     PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                          SULLIVAN MILTON F
504 RESEARCH-SCULPTURE         02.0 TO 12.0 CR
     PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                          SULLIVAN MILTON F
511 SEMINAR IN PRINTS          02.0 TO 12.0 CR
     PREREQ   CONSENT OF INSTRUCTOR
    1    10.00-11.50        M W  F   ALLYN   210  KOLDEN LARRY D
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520 SEMINAR POTTERY 02.0 TO 12.0 CR
1 11.00-01.50 T TH ALLYN 5 VERGETTE NICHOL
530 SEMINAR METAL CONST 02.0 TO 12.0 CR
1 10.00-11.50 M W F ALLYN 11 KINGTON LOUIS E
540 SEMINAR IN WEAVING 02.0 TO 12.0 CR
1 11.00-01.50 T TH 0702 101 GINSBERG RUTH L
541 RESEARCH IN DRAWING 02.0 TO 12.0 CR
PREREQ 12 HRS OF ART 300
1 TO BE ARRANGED
566 RESEARCH ART EDUC 02.0 TO 12.0 CR
1 TO BE ARRANGED ABRAHAMSON ROY
571 READ ART HISTORY 02.0 TO 05.0 CR
PREREQ GRAD STANDING + CONSENT OF INSTRUCTOR
1 TO BE ARRANGED NAPPER JOHN
573 PROB-ART HIST 03.0 TO 12.0 CR
1 TO BE ARRANGED KURTZ BRUCE D
599 THESIS 05.0 TO 09.0 CR
1 TO BE ARRANGED FINK HERBERT L

Biology (BIOL)

305 GENETICS-CLAS + MCL 04.0 CR
PREREQ GSA 2018 CR 2108 OR ADVANCED STANDING IN BIOLOGY
1 09.00 M WTHF AG 214
306 DEVELOPMENTAL BIOL 04.0 CR
PREREQ GSA 2018 CR 2108 OR ADVANCED STANDING IN BIOLOGY
1 03.00 M WTHF LS I 323

Botany (BOT)

300 MORPH NON-VAS PLANT 04.0 CR
PREREQ GSA 2018
1 01.00 M W F LS I 323 KAEISER
01.00-02.50 T LS I 307
301 MORPH VAS PLANTS 04.0 CR
PREREQ GSA 2018
1 09.00 T TH LS I 323 MATTEN LAWRENC
10.00-11.50 W F LS I 307
308 TAX-CULT PLANTS 05.0 CR
PREREQ CONSENT OF INSTR
1 10.00-11.50 TWTH GREEN 101 MARBERRY WILLI
320 PLANT PHYSIOLOGY 05.0 CR
PREREQ GSA 2018, CHEM 350 OR MINOR IN CHEM
1 08.00 M W F LS I 323 SCHMID WALTER
08.00-09.50 T TH LS I 311
2 08.00 M W F LS I 323 SCHMID WALTER
10.00-11.50 T TH LS I 311
390 READINGS - BOTANY 02.0 TO 04.0 CR
PREREQ BOT MAJOR AND CONSENT OF INSTR
1 TO BE ARRANGED
391 SPEC PROB IN BOTANY 02.0 TO 05.0 CR
PREREQ BOT MAJOR AND CONSENT OF DEPT
1 TO BE ARRANGED
392 HONORS IN BOTANY 03.0 TO 21.0 CR
PREREQ CONSENT OF DEPARTMENT
1 TO BE ARRANGED
404 THE ALGAE 05.0 CR
PREREQ BOT 300
1 09.00 M W F LS I 315 TINDALL DONALD
08.00-09.50 T TH LS I 315 TINDALL DONALD
420 PHYSIOLOGY OF FUNGI 04.0 CR
PREREQ CONSENT OF INSTR
1 10.00 M W LS I 323 GRAY WILLIAM D
10.00-11.50 T TH LS I 315 GRAY WILLIAM D
425C ADV PLANT PHYSIOL 05.0 CR
PREREQ BOT 425B
1 11.00 M W F LS I 323 SCHMID
01.00-02.50 T TH LS I 311
445 ECOL FORESTS AR LDS 05.0 CR
1 03.00 M W F LAWSON 121 ASHBY WILLIAM
LAB TBA ON SAT IN LS 307

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  FOREST PATHOLOGY                    04.0 CR
   PREREQ   BOT 456 CR CONSENT OF INSTR
1    02.00            M W      LS I    323  PAPPELIS ARISTOTEL J
     01.00-02.50       T TH    LS I    315  PAPPELIS ARISTOTEL J
2    02.00            M W      LS I    323  PAPPELIS ARISTOTEL J
     03.00-04.50       T TH    LS I    307  PAPPELIS ARISTOTEL J
  BIOSYST PL ANATOMY                  05.0 CR
   PREREQ   BOT 400, AND BOT 412 + 449 ARE
            RECOMMENDED
1    01.00-03.50      M W      LS I    315  MATTEN
     01.00-02.50          F    LS I    315
C ADV ANGIOSPERM TAX                 05.0 CR
   PREREQ   CONSENT OF INSTR
1    11.00            MT TH    COMM     9  MOHLENBROCK
     10.00-11.50          F    COMM     9
  BIO-ECOLOGY                         04.0 CR
   PREREQ   CONSENT OF INSTR
1    12.00             T TH    LS I    205  LEFEBVRE
     08.00-11.50          S    LS I    213
  CROSSLISTED WITH ZOOL 510
  CYTOGENETICS                        05.0 CR
   PREREQ   BOT 525 CR CONSENT OF INSTR
1    03.00            M W  F   0461    100  CLAH
     03.00-04.50       T TH    0461    100
  AQUATIC ENERGETICS                  03.0 CR
   PREREQ   CONSENT OF INSTR
1    10.00-11.50      M W      LS I    315  VERDUIN JACOB
  LAB TBA ON SAT IN LS 315
  BIOSYSTEMATICS                      03.0 CR
   PREREQ   BOT 315 CR ZOO 401 OR CONSENT
            OF INSTR
1    10.00             T TH    COMM     9  UGENT
     10.00-11.50        W      COMM     9
  READINGS - BOTANY       02.0 TO 05.0 CR
1    TO BE ARRANGED
  SEMINAR                 01.0 TO 04.0 CR
   PREREQ   UNDERGRAD MAJOR OR MINOR IN BO
            T OR DEPT CONSENT
1    TO BE ARRANGED
2    TO BE ARRANGED                          MOHLENBROCK ROBERT
3    04.00              W      LAWSON  201  UGENT
  INTRO TO RESEARCH       02.0 TO 04.0 CR
1    TO BE ARRANGED
2    TO BE ARRANGED                          MOHLENBROCK ROBERT
3    TO BE ARRANGED
  RESEARCH                03.0 TO 09.0 CR
   PREREQ   CONSENT OF DEPT
1    TO BE ARRANGED
  THESIS                  03.0 TO 09.0 CR
1    TO BE ARRANGED
  DISSERTATION            01.0 TO 36.0 CR
1    TO BE ARRANGED
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ness Administration (B A)

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  RES METH + COMMUNIC                 04.0 CR
1    10.00-11.50      M W      PULL     38
  CONTROLLERSHIP                      04.0 CR
   PREREQ   ENROLLMENT IN MBA PROGRAM OR
            CONSENT OF INSTR
1    08.00-09.50      M W      CL       25
  MANAGERIAL ECON                     04.0 CR
1    07.35-09.15 PM   M W      CL      109
  CROSSLISTED WITH ECON 526
  MGR + ORG BEHAVIOR                  04.0 CR
1    05.45-07.25      M W      CL       24
  OPERAT + CONTROL                    04.0 CR
1    01.00-02.50       T TH    WHAM    205
  SEMINAR IN MKTG                     04.0 CR
   PREREQ   ENROLLMENT IN MBA PROGRAM OR
            CONSENT OF INSTR
1    03.00-04.50      M W      CL       25
  INTERNAT BUS OPER                   04.0 CR
1    08.00-09.50       T TH    CL       25
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590 INDEPENDENT STUDY 04.0 CR
PREREQ ENROLLMENT IN MEA PROGRAM OR CONSENT OF INSTR
1 TO BE ARRANGED

598 BUSINESS POLICIES 04.0 CR
PREREQ ENROLLMENT IN MEA PROGRAM OR CONSENT OF INSTR
1 01.00-02.50 M W CL 25

599 THESIS 04.0 TO 08.0 CR
PREREQ ENROLLMENT IN MEA PROGRAM OR CONSENT OF INSTR
1 TO BE ARRANGED

Chemistry (CHEM)

110 INORGANIC CHEMISTRY 04.0 CR

1	09.00	M W F	PARK	124	BROWN GEORGE E
	10.00	W	AG	166	
	08.00-10.50	T	PHY SC	109	
2	09.00	M W F	PARK	124	BROWN GEORGE E
	10.00	W	AG	166	
	08.00-10.50	TH	PHY SC	109	
3	09.00	M W F	PARK	124	BROWN GEORGE E
	10.00	W	AG	166	
	08.00-10.50	T	PHY SC	108	
4	09.00	M W F	PARK	124	BROWN GEORGE E
	10.00	W	AG	166	
	08.00-10.50	TH	PHY SC	108	
5	09.00	M W F	PARK	124	BROWN GEORGE E
	10.00	W	AG	166	
	08.00-10.50	S	PHY SC	108	

121B GEN CHEM-QUAL ANAL 05.0 CR
PREREQ 121A

1	08.00	T TH	PARK	124
	09.00	T	PHY SC	116
	08.00-10.50	W F	PHY SC	102
2	08.00	T TH	PARK	124
	09.00	T	PHY SC	116
	08.00-10.50	W F	PHY SC	104
3	08.00	T TH	PARK	124
	09.00	TH	PHY SC	116
	08.00-10.50	W F	PHY SC	106
4	08.00	T TH	PARK	124
	09.00	TH	PHY SC	116
	08.00-10.50	W F	PHY SC	107
5	11.00	M W	PARK	124
	10.00	M	PHY SC	116
	09.00-11.50	T TH	PHY SC	102
6	11.00	M W	PARK	124
	10.00	M	PHY SC	116
	09.00-11.50	T TH	PHY SC	104
7	11.00	M W	PARK	124
	10.00	M	PHY SC	116
	09.00-11.50	T TH	PHY SC	106
8	01.00	T TH	PARK	124
	12.00	T	PHY SC	116
	11.00-01.50	W F	PHY SC	102
9	01.00	T TH	PARK	124
	12.00	T	PHY SC	116
	11.00-01.50	W F	PHY SC	104
10	01.00	T TH	PARK	124
	12.00	TH	PARK	204
	11.00-01.50	W F	PHY SC	106
11	01.00	T TH	PARK	124
	12.00	TH	PARK	204
	11.00-01.50	W F	PHY SC	107
12	03.00	T TH	PARK	124
	02.00	T	PHY SC	116
	02.00-04.50	M W	PHY SC	102
13	03.00	T TH	PARK	124
	02.00	T	PHY SC	116
	02.00-04.50	M W	PHY SC	104
14	03.00	T TH	PARK	124
	02.00	TH	PHY SC	116

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     02.00-04.50      M W       PHY SC  106
15   03.00             T TH      PARK    124
     02.00               TH      PHY SC  116
     02.00-04.50      M W       PHY SC  107
   GEN QUANT ANALYSIS                 05.0 CR
    PREREQ   CHEM 121B
 1   03.00            M W  F    PARK    124
     03.00-05.50       T TH     PHY-SC  409
 2   03.00            M W  F    PARK    124
     12.00-02.50       T TH     PHY-SC  409
 3   03.00            M W  F    PARK    124
     12.00-02.50      M W       PHY-SC  409
 4   03.00            M W  F    PARK    124
     08.00-10.50       T TH     PHY-SC  409
 5   03.00            M W  F    PARK    124
     06.00-08.50 PM   M W       PHY-SC  409
   ORGANIC CHEMISTRY                  04.0 CR
    PREREQ   110 CR 121A
 1   01.00            M W  F    PARK    124
     01.00               TH     PARK    204
     11.00-01.50       T        PHY SC  109
 2   01.00            M W  F    PARK    124
     01.00               TH     PARK    204
     02.00-04.50       T        PHY SC  109
 3   01.00            M W  F    PARK    124
     01.00             T        PARK    204
     11.00-01.50         TH     PHY SC  109
 4   01.00            M W  F    PARK    124
     01.00             T        PARK    204
     02.00-04.50         TH     PHY SC  109
 5   01.00            M W  F    PARK    124
     01.00               TH     PARK    204
     02.00-04.50      M        PHY SC  109
 6   01.00            M W  F    PARK    124
     01.00               TH     PARK    204
     02.00-04.50        W       PHY SC  109
 7   01.00            M W  F    PARK    124
     01.00             T        PARK    204
     08.00-10.50              S  PHY SC  109
 8   01.00            M W  F    PARK    124
     01.00             T        PARK    204
     02.00-04.50                F  PHY SC  109
A  ORG CHEM-PRE PROF                  05.0 CR
    PREREQ   CHEM 121B
 1   11.00            M W  F    PARK    204
     11.00-01.50       T        PHY SC  203
     11.00               TH     PARK    111
 2   11.00            M W  F    PARK    204
     11.00-01.50         TH     PHY SC  203
     11.00             T        PARK    111
 3   11.00            M W  F    PARK    204
     01.00-03.50        W       PHY SC  203
     03.00            M         PARK    204
C  ORGANIC CHEMISTRY                  05.0 CR
    PREREQ   CHEM 341B
 1   08.00            M W  F    PHY SC  118
     08.00-10.50       T TH     PHY SC  203
     09.00              W       PARK    111
 2   08.00            M W  F    PHY SC  118
     09.00-11.50      M W       PHY SC  203
     09.00             T        PARK    204
 3   08.00            M W  F    PHY SC  118
     02.00-04.50       T TH     PHY SC  203
     03.00              W       PARK    204
   UNDERGRAD SEMINAR       00.0 TO 02.0 CR
    PREREQ   FOR JUNIORS + SENIORS WITH
             CONCENTRATION IN CHEM
 1   TO BE ARRANGED
   INT QUANT ANALYSIS                  03.0 CR
    PREREQ   CHEM 432A CR B + CHEM 461C
 1   01.00            T TH      PHY SC  116
   LAB TBA
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451C BIOCHEMISTRY 03.0 CR
PREREQ CHEM 235, 305B CR 341C-MUST BE TAKEN IN SEQUENCE
1 08.00 M W F PHY SC 218
455B BIOCHEMISTRY LAB 04.0 CR
PREREQ 455A
1 11.00 TH PHY SC 116
LAB TBA
2 11.00 TH PHY SC 116
LAB TBA
460 PRIN PHYSICAL CHEM 05.0 CR
PREREQ CHEM 235, 305B CR 341C + 1 YR OF PHYS CR CONSENT
1 02.00 M W F PHY SC 116
01.00-02.50 T TH PHY SC 105
2 02.00 M W F PHY SC 116
03.00-04.50 M W PHY SC 105
3 02.00 M W F PHY SC 116
03.00-04.50 T TH PHY SC 105
461C PHYSICAL CHEMISTRY 04.0 CR
PREREQ CHEM 461B
1 11.00 M W F PHY SC 116
09.00-11.50 T PHY SC 105
2 11.00 M W F PHY SC 116
09.00-11.50 TH PHY SC 105
3 11.00 M W F PHY SC 116
08.00-10.50 W PHY SC 105
4 11.00 M W F PHY SC 116
08.00-10.50 F PHY SC 105
464 INTR TO QUANT CHEM 03.0 CR
PREREQ CHEM 461C CR CONSENT OF INSTR
1 03.00 M W F PHY SC 116
471 INDUSTRIAL CHEM 03.0 CR
PREREQ CHEM 305B CR 341C
1 09.00 M W F PHY SC 116
490 CHEM LITERATURE 02.0 CR
PREREQ CHEM 235 + 305B OR 341C,READ KNOW.GER,CONSENT INSTR
1 03.00 T TH PHY SC 116
496A CHEM PROB ANALY 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496B CHEM PROB BIOCHEM 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496C CHEM PROB INORGANIC 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496D CHEM PROB ORGANIC 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496E CHEM PROB PHYSICAL 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
511B ADV INORGAN CHEM 03.0 CR
PREREQ CHEM 461C
1 01.00 M W F PHY SC 116
542 ADV ORG CHEM 03.0 CR
PREREQ CHEM 541
1 09.00 M W F PHY SC 218
553 PLANT BIOCHEMISTRY 03.0 CR
PREREQ CHEM 451C
1 08.00 M W F PHY SC 116
562B QUANTUM CHEMISTRY 03.0 CR
PREREQ CHEM 562A
1 03.00 M W F PHY SC 118

564 STATISTICAL THERMC 03.0 CR
PREREQ CHEM 562 CR CONSENT OF INSTRUC
TOR
1 11.00 M W F PHY SC 118
594A SP READ-CHEM ANALY 02.0 TO 15.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 TO BE ARRANGED
594B SP READ-CHEM BIO 02.0 TO 15.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 TO BE ARRANGED
594C SP READ-CHEM INORG 02.0 TO 15.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 TO BE ARRANGED
594D SP READ-CHEM ORGAN 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT
OF DIV
1 TO BE ARRANGED
594E SP READ-CHEM PHYS 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT
OF DIV
1 TO BE ARRANGED
595A ADV SEM-CHEM ANALY 0C.0 TO 09.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 04.00 M PHY SC 218
595B ADV SEM-CHEM BIO 0C.0 TO 09.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 04.00 T PHY SC 218
595C ADV SEM-CHEM INORG 0C.0 TO 09.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 04.00 W PHY SC 218
595D ADV SEM-CHEM ORGAN 0C.0 TO 09.0 CR
PREREQ 24 HRS CF 500 CHEM AND CONSENT
OF DIV
1 04.00 F PHY SC 218
595E ADV SEM-CHEM PHYS 0C.0 TO 09.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT
OF DIV
1 04.00 TH PHY SC 218
596A ADV CHEM PROB-ANAL 03.0 TO 20.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
596B ADV CHEM PROB-BIO 03.0 TO 20.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
596C ADV CHEM PROB-INORG 03.0 TO 20.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
596D ADV CHEM PROB-ORGAN 03.0 TO 20.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
596E ADV CHEM PROB-PHYS 03.0 TO 20.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
597A RES + THESIS-ANAL 03.0 TO 40.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
597B RES + THESIS-BIO 03.0 TO 40.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
597C RES + THESIS-INORG 03.0 TO 40.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
597D RES + THESIS-ORGAN 03.0 TO 40.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED

597E RES + THESIS-PHYS 03.0 TO 40.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
598A RES-DOCTOR ANALY 03.0 TO 48.0 CR
PREREQ M A DEGREE OR EQUIV
1 TO BE ARRANGED
598B RES-DOCTOR BIOCHEM 03.0 TO 48.0 CR
PREREQ M A DEGREE OR EQUIV
1 TO BE ARRANGED
598C RES-DOCTOR INORGAN 03.0 TO 48.0 CR
PREREQ M A DEGREE OR EQUIV
1 TO BE ARRANGED
598D RES-DOCTOR ORGANIC 03.0 TO 48.0 CR
PREREQ M A DEGREE OR EQUIV
1 TO BE ARRANGED
598E RES-DOCTOR PHYS 03.0 TO 48.0 CR
PREREQ M A DEGREE OR EQUIV
1 TO BE ARRANGED
600A DISSERT ANALYTICAL 03.0 TO 48.0 CR
PREREQ ADMISSION TO PH D CANDIDACY
1 TO BE ARRANGED
600B DISSERT BIOCHEM 03.0 TO 48.0 CR
PREREQ ADMISSION TO PH D CANDIDACY
1 TO BE ARRANGED
600C DISSERT INORGANIC 03.0 TO 48.0 CR
PREREQ ADMISSION TO PH D CANDIDACY
1 TO BE ARRANGED
600D DISSERT ORGANIC 03.0 TO 48.0 CR
PREREQ ADMISSION TO PH D CANDIDACY
1 TO BE ARRANGED
600E DISSERT - PHYSICAL 03.0 TO 48.0 CR
PREREQ ADMISSION TO PH D CANDIDACY
1 TO BE ARRANGED

Cinema and Photography (C & P)

260A FUND-STILL PHOTO 04.0 CR
1 09.00 M T TH 0834 113 SWAY
01.00-02.50 M AG 140
2 09.00 M T TH 0834 113 SWAY
01.00-02.50 T AG 140
3 09.00 M T TH 0834 113
01.00-02.50 W AG 140
4 09.00 M T TH 0834 113
01.00-02.50 TH AG 140
260C FUND-STILL PHOTO 04.0 CR
PREREQ P+P 260B
1 10.00 M WTH 0834 113 GILMORE
09.00-11.50 S AG 142
THREE HOUR LAB TBA
309C COMMERCIAL PHOTO 04.0 CR
PREREQ P+P 309B
1 01.00 M W 0834 113 GILMORE
THREE HOUR LAB TBA
341B CINEMATOGRAPHY 03.0 CR
PREREQ P+P 341A
1 01.00-04.50 T 0834 113 DAVIS
01.00 F 0834 113
360C PUBLICATIONS PHOTO 02.0 TO 06.0 CR
PREREQ P+P 360A
1 11.00-12.50 M WTH 0834 113 HORRELL
412 WKSHOP CINEMA PROD 01.0 TO 06.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED PAINE FRANK R
431 PROB STILL PHOTO CI 01.0 TO 12.0 CR
PREREQ BY PERMISSION
1 TO BE ARRANGED HORRELL

Clothing and Textiles (C & T)

104 BASIC TEXTILES 03.0 CR
PREREQ GSA 101B
1 08.00 M W F H EC 140B PADGETT ROSE
127B CLOTHING CONSTRUCT 02.0 CR
1 09.00-10.50 M W H EC 310 FLINT

131 APPLIED DESIGN 03.0 CR
1 12.00-01.50 M W H EC 302
231 APPLIED DESIGN 03.0 CR
PREREQ 131, EQUIVALENT, OR CONSENT OF CHAIRMAN
1 10.00 T TH H EC 203
10.00-11.50 W H EC 302
2 10.00 T TH H EC 203
10.00-11.50 F H EC 302
233 PATT DES + CLO CONS 03.0 CR
PREREQ C+T 127 CR CONSENT OF CHAIRMAN
1 10.00-11.50 T TH H EC 310 RIDLEY SAMANTHA SUE
2 10.00-11.50 W F H EC 303 RIDLEY SAMANTHA SUE
3 01.00-02.50 M W H EC 310
300 DISPLAY 02.0 TO 04.0 CR
PREREQ 131, EQUIVALENT, OR CONSENT OF CHAIRMAN
1 04.00 M F H EC 304
03.00-04.50 W H EC 304
327 HM FRN + INTERIORS 03.0 CR
PREREQ 131, EQUIVALENT, CONSENT OF CHAIRMAN
1 01.00-02.50 M W H EC 304 STEWART LUCY
331 APPLIED DESIGN 03.0 CR
PREREQ 231, EQUIVALENT, OR CONSENT OF CHAIRMAN
1 01.00-02.50 T TH H EC 302
339 CLOTHING ECONOMICS 03.0 CR
1 08.00 T THF H EC 203 RIDLEY SAMANTHA SUE
364 DRAPING AND CONST 03.0 CR
PREREQ C+T 233 CR CONSENT OF CHAIRMAN
1 03.00-04.50 T TH H EC 303 BERRY THELMA H
04.00 F H EC 303 BERRY THELMA H
382 THE DECORATIVE ARTS 04.0 CR
PREREQ C+T 390
1 09.00 M W FS H EC 140B STEWART LUCY
391B ADV INTERIOR DESIGN 05.0 CR
PREREQ 391A
1 12.00 T THF H EC 140B
11.00-12.50 W H EC 304
11.00 TH H EC 304
2 12.00 T THF H EC 140B
11.00-12.50 M H EC 304
11.00 F H EC 304
395 SPECIAL PROBLEMS 02.0 TO 04.0 CR
PREREQ CONSENT OF CHAIRMAN
1 TO BE ARRANGED
431 ADV APPLIED DESIGN 04.0 CR
PREREQ 331, OR CONSENT OF CHAIRMAN
1 TO BE ARRANGED
440 CLOTHING THE FAMILY 04.0 CR
1 01.00 MTWTH H EC 303
481 READINGS 02.0 TO 06.0 CR
PREREQ CONSENT OF CHAIRMAN
1 TO BE ARRANGED
472 SPECIAL PROBLEMS 02.0 TO 08.0 CR
1 TO BE ARRANGED
482 FASHION FOUNDATIONS 04.0 CR
PREREQ C+T 329 AND 339, OR CONSENT OF CHAIRMAN
1 06.30-09.00 PM M H EC 303
499 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED

esign (DES)

100 DESIGN FUNDAMENTALS 05.0 TO 15.0 CR
1 01.00-03.50 M TH 0848 103
07.00-08.50 PM W H EC 140B
2 01.00-03.50 T F 0848 103
07.00-08.50 PM W H EC 140B
200 MAT AND BASIC TECH 02.0 TO 06.0 CR
PREREQ DES 100
1 TO BE ARRANGED

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215   BASIC P-S DESIGN          04.0 TO 12.0 CR
       PREREQ   DES 100
    1    TO BE ARRANGED
275   BASIC VISUAL DESIGN       04.0 TO 12.0 CR
       PREREQ   DES 100
    1    TO BE ARRANGED
    2    TO BE ARRANGED
300   MAT AND BASIC TECH        02.0 TO 06.0 CR
       PREREQ   DES 200
    1    TO BE ARRANGED
345   DESIGN STUDIO             04.0 TO 12.0 CR
    1    TO BE ARRANGED
366   P-S DESIGN                05.0 TO 15.0 CR
       PREREQ   DES 200 215 275
    1    TO BE ARRANGED
    2    TO BE ARRANGED
    3    TO BE ARRANGED
375   VISUAL DESIGN             05.0 TO 15.0 CR
       PREREQ   DES 200 215 215
    1    TO BE ARRANGED
    2    TO BE ARRANGED
    3    TO BE ARRANGED
390   PRIN OF DESIGN                 02.0 CR
    1    TO BE ARRANGED
400   MAT + BASIC TECH          00.0 TO 02.0 CR
    1    TO BE ARRANGED
    2    TO BE ARRANGED
465F  RES IN P-S DESIGN         05.0 TO 15.0 CR
       PREREQ   12 HRS OF DES 366 OR ITS EQJIV
    1    TO BE ARRANGED
    2    TO BE ARRANGED
465G  RES IN VISUAL DES         05.0 TO 15.0 CR
       PREREQ   12 HRS OF DES 375 OR ITS EQJIV
    1    TO BE ARRANGED
    2    TO BE ARRANGED
490F  STUDIO P-S DESIGN         02.0 TO 12.0 CR
    1    TO BE ARRANGED
490G  STUDIO-VISUAL DES         02.0 TO 12.0 CR
    1    TO BE ARRANGED
520   EDUC TOOL SYSTEMS         04.0 TO 10.0 CR
    1    TO BE ARRANGED
530   STUD IN IND PROCESS       04.0 TO 12.0 CR
    1    TO BE ARRANGED
535   RES IN PRODUCT DES        04.0 TO 12.0 CR
    1    TO BE ARRANGED
540   STUDIES IN COMM DES       04.0 TO 12.0 CR
    1    TO BE ARRANGED
545   RES IN COMM DESIGN        04.0 TO 12.0 CR
    1    TO BE ARRANGED
550   FIELD STUDY DESIGN        02.0 TO 16.0 CR
    1    TO BE ARRANGED
560   ENVIRONMENT CONTRCL       04.0 TO 12.0 CR
    1    TO BE ARRANGED
599   THESIS                    03.0 TO 09.0 CR
    1    TO BE ARRANGED
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Economics (ECON)

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214   ECONOMICS-MACRO                  >  04.0 CR
    1    08.00          MTW       LAWSON  101
         08.00             TH     LAWSON  121
    2    08.00          MTWTH     PULL     38
    3    12.00          MTW  F    LAWSON  201
    4    02.00          MTWTH     LAWSON  231
    5    03.00          MTWTH     LAWSON  101
    6    04.00          MTW  F    LAWSON  221
    7    05.45-07.25    M  W      LAWSON  101
    8    05.45-07.25    M  W      LAWSON  131
215   ECONOMICS-MICRO                  04.0 CR
       PREREQ   ECON 214
    1    08.00          M         LAWSON  221
         08.00           T THF    WHAM    308
    2    08.00          M         LAWSON  121
         08.00           T TH     LS I    323
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      08.00                F    LAWSON  101
  3   09.00              T   F    LAWSON  101
      09.00               W       WHAM    302
      09.00                 TH    LAWSON  121
  4   10.00              MTW      LAWSON  101
      10.00                 TH    PARK    204
  5   01.00              MT THF   LAWSON  201
  6   03.00              MT THF   LAWSON  231
  7   05.45-07.25         T TH    LAWSON  131
  8   05.45-07.25         T TH    LAWSON  201
301  ECONOMIC READINGS       01.0 TO 06.0 CR
     PREREQ   CONSENT OF INSTR + CHAIRMAN
  1    TO BE ARRANGED
308  ECON-BUS STAT I                 04.0 CR
     PREREQ   GSD 110
  1    11.00              T TH     LAWSON  201
       11.00               W  F    AG      220
  2    03.00              TWTHF    AG      216  SCULLY
  3    07.35-09.15 PM     T TH     CL      109
  4    07.35-09.15 PM     T TH     WHAM    201
310  LABOR PROBLEMS                  04.0 CR
     PREREQ   ECON 215
  1    12.00              MT THF   AG      216  KREIDER
  2    04.00               TWTHF   H EC    118  FORAN
315  MONEY AND BANKING I             04.0 CR
     PREREQ   ECON 215 OR CONSENT OF INSTR
  1    09.00              MT THF   TECH A  208  PETRO
  2    12.00              MTWTH    CL       24  STOWE
  3    02.00              MTWTH    0720    102  BRUCKER
330  PUBLIC FINANCE                  04.0 CR
     PREREQ   ECON 211A, OR 215, OR CONSENT
              OF INSTRUCTOR
  1    11.00              MT THF   PULL     43  MORRISON
408  ECON-BUS STAT II                04.0 CR
     PREREQ   GSD 110
  1    03.00-04.50         T TH    PHY SC  278  MARKS BERNARD JAY
419  LATIN AMER ECON DEV             04.0 CR
     PREREQ   ECON 211A OR 215 OR CONSENT OF
               INSTRUCTOR
  1    10.00              M    F   TECH A  120  KREIDER
       10.00               T TH    TECH A  122
422  INTRO ECON DEVELOP              04.0 CR
     PREREQ   ECON 215
  1    09.00              M WTHF   H C     202  BADRE
429  INTERNATIONAL ECON              04.0 CR
     PREREQ   ECON 215 OR CONSENT OF INSTR
  1    01.00              MT THF   WHAM    319  BATRA
430  REGIONAL ECONOMY                04.0 CR
     PREREQ   ECON 215
  1    09.00              M WTHF   0720    104  ELLIS
433  INFLAT,GROWTH,STAB              04.0 CR
     PREREQ   ECON 215 OR CONSENT OF INSTR
  1    02.00             TWTHF    CL      109  HOLLENHORST
4  INTERMED MICRO THEC               04.0 CR
     PREREQ   ECON 215 OR CONSENT OF INSTR
  1    10.00             MT THF   H C     202  BUNGER
  2    01.00             MT THF   PHY SA  160  PULSIPHER
4  INTERMED MACRO TH                 04.0 CR
     PREREQ   ECON 214
  1    11.00             MT THF   AG      116  PETRO
  2    04.00             MT THF   WHAM    205  HOLLENHORST
5  RUSSIAN ECONOMY                   04.0 CR
     PREREQ   211A, OR 215 OR CONSENT OF
              INSTRUCTOR
  1    12.00             TWTHF    WHAM    329  HAITANI KANJI
)  MATH ECON I                       04.0 CR
     PREREQ   ECON 440 OR CONSENT OF INSTR
  1    12.00             MT THF   AG      148  BUNGER
)  ECONOMIC SEMINAR       04.0 TO 08.0 CR
     PREREQ   CONSENT OF INSTR
  1    05.45-07.25        M W     CL      109
  2    07.35-09.15 PM     T TH    CL       25  SCULLY
)  ECONOMICS READING       01.0 TO 05.0 CR
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PREREQ . CONSENT OF DEPARTMENT
1 TO BE ARRANGED
502 READING IN RES ECON 01.0 TO 06.0 CR
PREREQ CONSENT OF FORESTRY DEPT
1 TO BE ARRANGED
512 LABOR ECONOMICS 04.0 CR
PREREQ ECON 310 CR CONSENT OF INSTR
1 10.00-11.50 M W CL 25 EDELMAN MILTON T
517 MONETARY TH + POL 04.0 CR
PREREQ ECON 315 CR CONSENT OF INSTR
1 10.00-11.50 T TH AG 218
526 MANAGERIAL ECON 04.0 CR
PREREQ ECON 214 + 215 CR 351 OR
CONSENT OF INSTR
1 10.00-11.50 T TH CL 25 BRUCKER ERIC
542 PRICE THEORY 04.0 CR
PREREQ ECON 440 CR CONSENT OF INSTR
1 03.00 M W CL 109
03.00-04.50 F CL 109
555 SEM - ECON HISTORY 04.0 CR
PREREQ CONSENT OF INSTR
1 08.00-09.50 T AG 170 LAYER
08.00-09.50 F CL 25
562 SEM IN EC SYSTEMS 04.0 CR
PREREQ ECON 481 CR CONSENT OF INSTR
1 03.00-04.50 T TH CL 25 HAITANI
567 ECONOMETRICS II 04.0 CR
PREREQ ECON 467, 566 AND MATH 410C OR
ITS EQUIV
1 02.00 TWTHF AG 148 MARKS BERNARD J
583 METH FOUND ECON 04.0 CR
PREREQ ECON 440 AND 441 OR EQUIV
1 06.00-09.50 PM W CL 25 HICKMAN C ADDIS
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED
600 DOCTORAL DISSERTAT 01.0 TO 48.0 CR
1 TO BE ARRANGED

Educational Administration and Foundations (EDAF)

355 PHILOSOPHY OF EDUC 04.0 CR
1 08.00 M WHAM 308
08.00 T TH WHAM 210
08.00 W WHAM 112
2 10.00 MTWTH WHAM 205
3 11.00 MTWTH WHAM 210
4 12.00 MTWTH WHAM 210
5 01.00 MTWTH WHAM 206
6 02.00 MTWTH WHAM 203
7 03.00 MTWTH WHAM 206
8 05.45-07.25 M W WHAM 205
431 HIST OF EDUC IN U S 04.0 CR
1 06.30-09.00 PM W WHAM 206 VINCUR SAMUEL
500 RESEARCH METHODS 04.0 CR
1 09.00-11.30 S WHAM 208 HALL JAMES HERR
2 04.00-06.30 TH WHAM 210 STUCK DEAN L
3 06.30-09.00 PM M WHAM 206 BACH
501C SEMINAR IN EDAD 04.0 CR
1 06.30-09.00 PM M WHAM 203 EWING PARMER LE
502S SEM COM ED-SOV RUS 04.0 CR
1 06.30-09.00 PM T WHAM 319
504 SEM HIST EUR EDUC 04.0 CR
1 07.00-09.30 PM W WHAM 301B MCKENZIE WILLI
507C 20TH CENTURY + EDUC 04.0 CR
1 06.30-09.00 PM TH WHAM 112
508B INTERDISCIP SEM ED 04.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 06.30-09.00 PM W WHAM 319 HALL JAMES HER
511A INTERN PRACTICUM 04.0 CR
PREREQ CONSENT OF THE DEPARTMENT
ADVISORY COMMITTEE
1 TO BE ARRANGED
511B INTERN PRACTICUM 04.0 CR
PREREQ 511A

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  1    TO BE ARRANGED                                    EWING PARMER LELAND
11C  INTERN PRACTICUM                  04.0 CR
      PREREQ   511B
  1    TO BE ARRANGED
24B  SCHL ADMINISTRATION               04.0 CR
  1    09.00-11.30            S  WHAM    301B
24C  SCHL ADMINISTRATION               04.0 CR
  1    06.30-09.00 PM     W       WHAM    321   STUCK DEAN L
34A  SCHOOL FINANCE                    04.0 CR
  1    06.30-09.00 PM     T       WHAM    305   KAISER DALE E
34B  SCHOOL BUSINESS ADM               04.0 CR
  1    06.30-09.00 PM     T       WHAM    329   BLISS
54   CONTRAST PHIL IN ED               04.0 CR
      PREREQ   355 CR PHIL 355 OR EQUIVALENT
  1    09.00-11.30            S  WHAM    328   LEAN ARTHUR EDWARD
56A  SCHOOL SUPERVISION                04.0 CR
  1    06.30-09.00 PM  M      WHAM    319   BRACEWELL GEORGE
60   CURRICULUM                        04.0 CR
  1    06.30-09.00 PM     T       WHAM    301B
75A  IND RES CURRICULUM          01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75B  IND RES SUPERVISION          01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75C  IND RES BUILDINGS            01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75D  IND RES FINANCE              01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75E  IND RES SCHOOL LAW           01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75F  IND RES COMPAR EDUC          01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75G  IND RES HIST EDUC            01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75H  IND RES PHIL EDUC            01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
75J  IND RES ADMIN                01.0 TO 04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED                                    ARMISTEAD FRED J
75K  IND RES ELEM ADMIN                04.0 CR
      PREREQ   500, APPRCVAL CF DEPT ADVISOR
               + CONSENT CF INSTRUCT
  1    TO BE ARRANGED
76A  READINGS ADM-SUPV            01.0 TO 04.0 CR
      PREREQ   CONSENT CF DEPT CHAIRMAN AND
               INSTRUCTOR
  1    TO BE ARRANGED                                    EWING PARMER LELAND
76B  READINGS ADM-SUPV            01.0 TO 04.0 CR
      PREREQ   CONSENT CF DEPT CHAIRMAN AND
               INSTRUCTOR
  1    TO BE ARRANGED                                    EWING PARMER LELAND
76C  READINGS ADM-SUPV            01.0 TO 04.0 CR
      PREREQ   CONSENT CF DEPT CHAIRMAN AND
               INSTRUCTOR
  1    TO BE ARRANGED
 9   GEN GRAD SEMINAR                  04.0 CR
      PREREQ   CONSENT CF INSTRUCTOR
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    1    TO BE ARRANGED
      CROSSLISTED WITH PHIL 589
591   SEM-SOC + PHIL FOUN                02.0 CR
       PREREQ   ADVANCED STANDING
    1    10.00-11.50        W       WHAM    301B MCKENZIE WILLIAM
      STUDENTS MUST ALSO ENROLL FOR GUID 590
592   DOCT SEM CULT FOUND                04.0 CR
       PREREQ   591
    1    10.00-11.50       T TH      WHAM    301B MCKENZIE WILLIAM
596   IND INVESTIGATION        05.0 TO 09.0 CR
    1    TO BE ARRANGED
597   THESIS                   01.0 TO 03.0 CR
    1    TO BE ARRANGED
598   THESIS                   01.0 TO 03.0 CR
    1    TO BE ARRANGED
599   THESIS                   01.0 TO 03.0 CR
    1    TO BE ARRANGED
600   DISSERTATION             01.0 TO 48.0 CR
    1    TO BE ARRANGED
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Elementary Education (ELED)

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100   INTRO TO ELEM EDUC                 03.0 CR
    1    08.00            M W  F    WHAM     208  WEIR
    2    08.00            M W  F    WHAM     210  LIU
    3    11.00            M W  F    WHAM     228  HOSKIN
    4    01.00            M W  F    WHAM     228  BRADFIELD LUTHER
101   DEVEL RDING-LRN SKL                02.0 CR
    1    08.00            M W  F    WHAM     114
    2    08.00             T TH S   WHAM     114
    3    09.00            MTW       WHAM     114
    4    10.00            M W  F    WHAM     114
    5    10.00             T TH     WHAM     114
    6    11.00             T TH     WHAM     114
    7    11.00            M W  F    WHAM     114
    8    12.00            M W  F    WHAM     114
    9    01.00            M W  F    WHAM     114
   10    02.00            M W  F    WHAM     114
   11    03.00            M W  F    WHAM      14
   12    04.00            M W  F    WHAM      14
203   UNDRSTD EL SCH CHLD                03.0 CR
       PREREQ   GSB 201C
    1    02.00            M W       WHAM     210  LEE
      ABOVE SECT RESTRICTED   SEE FOOTNOTE
    2    02.00             T TH     WHAM     210  LEE
      ABOVE SECT RESTRICTED   SEE FOOTNOTE
    3    03.00            M W       WHAM     210  AIKMAN
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203, Sections 1 or 2: Block Program: Students should leave Monday free for participation in the school and must take ElEd 314, Sections 2 or 4; ElEd 411; ElEd 431; Guid 305, Section 1, 8:00.

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309   KIND-PRIM SOC STUD                 03.0 CR
       PREREQ   316
    1    12.00            M W  F    WHAM     205  ZIMNY
    2    02.00            M W  F    WHAM     228  ZIMNY
314   ELEM SCHOOL METHODS                04.0 CR
       PREREQ   GUID 305
    1    09.00            MTWTH     WHAM     208  RANDOLPH VICTOR
      EL ED MAJORS ONLY
    2    10.00            MTWTH     WHAM     203  BROD ERNEST E
      EL ED MAJORS ONLY RESTRCTD BLOCK COURSE
      SEE FOOTNOTE
    3    10.00            MTWTH     WHAM     208  LINDBERG
      EL ED MAJORS ONLY RESTRCTD BLOCK COURSE
      SEE FOOTNOTE
    4    11.00            MTWTH     WHAM     203  RANDOLPH
      EL ED MAJORS ONLY
    5    03.00            MTWTH     WHAM     206  LEE
      EL ED MAJORS ONLY
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314, Sections 2 or 4: Block Program: Students should leave Monday free f participation in the schools and must take ElEd 203, Sections 1 or 2; ElEd 411; ElEd 431; Guid 305, Section 1, 8:00.

316 KINDER PRIMARY METH 04.0 CR
PREREQ GUID 305
1 03.00 MTWTH WHAM 203 BAKER
2 06.30-09.30 PM TH WHAM 203 ZIMNY
337 READING IN ELEM SCH 04.0 CR
PREREQ 314
1 08.00 MTWTH WHAM 206 RANDOLPH VICTOR
RESTRICTED EL ED MAJORS ONLY
2 09.00 MTWTH WHAM 210 RAGSDALE TED R
RESTRICTED EL ED MAJORS ONLY
3 09.00 MTWTH WHAM 203 BROD ERNEST E
4 01.00 MTWTH WHAM 210 RAGSDALE TED R
RESTRICTED EL ED MAJORS ONLY
5 06.30-09.30 PM T WHAM 206 FISCHO
RESTRICTED EL ED MAJORS ONLY
350 KIND PRI STUD TCH 04.0 TO 16.0 CR
1 TO BE ARRANGED
351 EL STUDENT TCH 04.0 TO 16.0 CR
1 TO BE ARRANGED
GENERAL
2 TO BE ARRANGED
ART
3 TO BE ARRANGED
E M H
4 TO BE ARRANGED
MUS
5 TO BE ARRANGED
P E
6 TO BE ARRANGED
P H
7 TO BE ARRANGED
SP C
8 TO BE ARRANGED
SP ED
375 READINGS IN EL ED 02.0 TO 03.0 CR
1 TO BE ARRANGED SLOAN
411 SEM - INSTRUCTION 02.0 TO 04.0 CR
1 TO BE ARRANGED HEINZ
ABOVE SECTION RESTRICTED-SEE FOOTNOTE
413 CHILDRENS LIT 04.0 CR
PREREQ GUID 305
1 10.00 MTWTH WHAM 210 MATHIAS
2 11.00 MTW WHAM 206 MATHIAS
415 IMPR ARITH ELEM SCH 02.0 TO 04.0 CR
PREREQ MATH 210 OR CONSENT OF INSTR
1 06.30-09.00 PM TH WHAM 208 PAIGE
431 ED FOR DISADV CHILD 02.0 TO 04.0 CR
PREREQ 337
1 TO BE ARRANGED SLOAN
ABOVE SECTION RESTRICTED-SEE FOOTNOTE
442 TEACH EL SCH SCI 04.0 CR
1 10.00 MTWTH WHAM 208 NEWPORT JOHN FRANK
2 01.00 MTWTH PULL 208 NEWPORT JOHN FRANK
3 06.30-09.00 PM T PULL 304 HUNGERFORD HAROLD R
4 06.30-09.00 PM TH PULL 304 NEWPORT
505 READING IN ELEM SCH 04.0 CR
1 06.30-09.00 PM T WHAM 203 BROD ERNEST E
507 READINGS IN READING 02.0 TO 04.0 CR
PREREQ 505 AND CONSENT OF INSTRUCTOR
1 TO BE ARRANGED DUSENBERY MIRIAM C
509 PRACTICUM IN READ 04.0 TO 08.0 CR
PREREQ 521A,B,AND C, + CONSENT OF INSTRUCTOR
1 TO BE ARRANGED FISHCO DANIEL T
514 ORG + ADMIN RD PROG 04.0 CR
PREREQ 461 AND 505
1 06.30-09.00 PM TH WHAM 144 HILL MARGARET
516 INTERN IN READING 04.0 TO 12.0 CR
PREREQ 521A,B, AND C AND CONSENT OF INSTRUCTOR
1 TO BE ARRANGED HILL MARGARET
519 READINGS-ELEM MATH 02.0 TO 04.0 CR
PREREQ 415, 515

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    1    TO BE ARRANGED                                    PAIGE
520  DIAG ELEM MATH DISA              04.0 CR
      PREREQ   515 OR CONCURRENT REGISTRATION
    1    TO BE ARRANGED                                    BEATTIE
521C DIAG-COR READ DISAB              04.0 CR
      PREREQ   521B
    1    09.00-11.30          S   WHAM    144  FISHCO DANIEL T
537  KIND-PRI READING                 04.0 CR
      PREREQ   337 OR CONSENT OF INSTRUCTOR
    1    06.30-09.00 PM     W      WHAM    203  BAKER REBECCA E
542  LANG ARTS IN EL SCH    01.0 TO 04.0 CR
    1    06.30-09.00 PM  M         WHAM    210  RAGSDALE TED R
561  ELEM SCH CURR                    04.0 CR
    1    06.30-09.00 PM    T       WHAM    208  SLOAN
570  SEM--RES IN EL EDUC              04.0 CR
    1    06.30-09.00 PM     W      WHAM    210  PAIGE
575A IND RES CURRICULUM     02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    SLOAN FRED A JR
575B IND RES SUPERVISION    02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    BRADFIELD LUTHER
575C IND RES LANG ARTS      02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    RAGSDALE TED R
575D IND RES SCIENCE        02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    NEWPORT JOHN FRA
575E IND RES READING        02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    HILL MARGARET
575F IND RES SOC STUD       02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    SLOAN FRED A JR
575G IND RES ELEM ED        02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    SLOAN FRED A JR
575H IND RES ARITHMETIC     02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    BEATTIE
575J IND RES PROB IN K-P    02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    BAKER
575K IND RES ELEM ADMIN     02.0 TO 04.0 CR
    1    TO BE ARRANGED                                    SLOAN FRED A JR
596  INDEPENDENT INVEST     05.0 TO 09.0 CR
    1    TO BE ARRANGED
599  THESIS                 03.0 TO 09.0 CR
    1    TO BE ARRANGED
600  DISSERTATION           01.0 TO 48.0 CR
    1    TO BE ARRANGED                                    LEE J MURRAY
    2    TO BE ARRANGED                                    HILL MARGARET
    3    TO BE ARRANGED                                    PAIGE
    4    TO BE ARRANGED                                    SLOAN FRED A JR
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Engineering (ENGR)

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100  ORIENTATION                      02.0 CR
    1    01.00          M W      TECH A  111
      CROSSLISTED SCHOOL OF TECHNOLOGY
222  DIGITAL COMP PROG                03.0 CR
      PREREQ   MATH 111B
    1    09.00            T TH     TECH A  111
         12.00          M W        WHAM     24
    2    09.00            T TH     TECH A  111
         12.00            T TH     WHAM     24
    3    09.00            T TH     TECH A  111
         04.00          M W        WHAM     24
    4    09.00            T TH     TECH A  111
         04.00            T TH     WHAM     24
    5    09.00            T TH     TECH A  111
         05.00          M W        WHAM     24
    6    09.00            T TH     TECH A  111
         05.00            T TH     WHAM     24
    7    09.00            T TH     TECH A  111
         12.00          M W        WHAM     24
    8    09.00            T TH     TECH A  111
         12.00            T TH     WHAM     24
    9    09.00            T TH     TECH A  111
         05.00          M W        WHAM     24
   10    09.00            T TH     TECH A  111
         05.00            T TH     WHAM     24
260B ANAL MECHANICS                   03.0 CR
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PREREQ ENGR 260A
1 02.00 M W F TECH D 131
260C ANAL MECHANICS 03.0 CR
PREREQ ENGR 260B
1 06.00-07.25 PM M W TECH D 131
300B THERMODYNAMICS 03.0 CR
PREREQ ENGR 300A
1 10.00 M W F TECH A 208
311B ENGR MATERIALS 03.0 CR
PREREQ ENGR 311A
1 04.00 T TH TECH D 14
01.00-03.50 TH TECH D 14
311C ENGR MATERIALS 03.0 CR
PREREQ ENGR 311B
1 09.00 T TH TECH D 131
01.00-03.50 T TECH B 142
2 09.00 T TH TECH D 131
06.00-08.50 PM W TECH B 142
313B FLUID MECHANICS 03.0 CR
PREREQ ENGR 313A
1 11.00 M W F TECH D 14A
331B CIR-FIELD THEORY 04.0 CR
PREREQ ENGR 331A
1 08.00 M W F TECH A 122
02.00-04.50 TH TECH D 104
331C CIR-FIELD THEORY 04.0 CR
PREREQ ENGR 331B
1 03.00 M WTHF TECH A 307
406 INTRO WAVE MOTION 03.0 CR
PREREQ MATH 306, ENGR 461
1 TO BE ARRANGED
412B ENGR PRACTICE 03.0 CR
PREREQ 412A
1 10.00 M W F TECH A 410
412C ENGR PRACTICE 03.0 CR
PREREQ 412B
1 07.35-09.00 PM T TH TECH A 310
415C WATER QUALITY CONTR 03.0 CR
PREREQ CHEM 121B AND CONSENT OF INSTR
1 01.00 M W F TECH B 42
420C TRANS PHENOMENA 03.0 CR
PREREQ 420B
1 TO BE ARRANGED
430 SPECIAL PROBLEMS 02.0 TO 08.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED
431 A-D COMPUTER DESIGN 06.0 CR
PREREQ ENGR 435A
1 TO BE ARRANGED
435A ELECTRONICS 03.0 CR
PREREQ ENGR 331B
1 08.00 M W TECH A 322
02.00-04.50 T TECH D 106
435C ELECTRONICS 03.0 CR
PREREQ 435B
1 06.00-09.00 PM T TECH D 106
437 MICROWAVE TH + MEAS 04.0 CR
PREREQ 331C
1 TO BE ARRANGED
441 INT MECH OF VIBRAT 03.0 CR
PREREQ ENGR 260C + MATH 305A
1 TO BE ARRANGED
443C ENGINEERING DESIGN 03.0 CR
PREREQ 443B
1 10.00 M W TECH D 131
10.00-11.50 TH TECH A 307
2 10.00 M W TECH D 131
10.00-11.50 T TECH A 307
446B ENERGY CONVERSION 03.0 CR
PREREQ 446A
1 TO BE ARRANGED
447 ADV MECH-MATERIALS 04.0 CR
PREREQ ENGR 311A, B OR E T 311A, B

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    1    TO BE ARRANGED
450  FUND REACTIVE SYST                    04.0 CR
      PREREQ   CHEM 121B + ENGR 300A OR
               CONSENT OF INSTRUCTOR
    1    09.00          M W  F   TECH B   42
         12.00-01.50     T       TECH B   42
455  ENGINEERING GEOLOGY                   03.0 CR
      PREREQ   GEOL 220 OR CONSENT OF INSTR
    1    TO BE ARRANGED
480C ENGR PROCESS DESIGN                   03.0 CR
      PREREQ   480B
    1    TO BE ARRANGED
502C ADV HEAT TRANSFER                     03.0 CR
      PREREQ   GRAD STANDING
    1    09.00          M W  F   TECH A  120
503B HEAT + COOL SYSTEMS                   03.0 CR
      PREREQ   GRAD STANDING
    1    TO BE ARRANGED
515  WAVE MOTION-FLUIDS                    03.0 CR
      PREREQ   ENGR 413A AND B OR CONSENT OF
               INSTR
    1    TO BE ARRANGED
516B WATER RESOURCES                       04.0 CR
    1    TO BE ARRANGED
517C ANAL-DES OF SYSTEMS                   04.0 CR
      PREREQ   ENGR 517B
    1    TO BE ARRANGED
520C REACTION ENGR                         03.0 CR
      PREREQ   ENGR 520B
    1    TO BE ARRANGED
522  OPERATIONS RESEARCH                   03.0 CR
      PREREQ   ENGR 422
    1    TO BE ARRANGED
530B SEPARATION PROCESS                    03.0 CR
      PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
535B NETWORK ANAL + SYN                    03.0 CR
      PREREQ   535A
    1    TO BE ARRANGED
570  SPECIAL INVESTIGAT      02.0 TO 06.0 CR
    1    TO BE ARRANGED
580  SEMINAR                 01.0 TO 09.0 CR
    1    TO BE ARRANGED
599  THESIS                  01.0 TO 09.0 CR
    1    TO BE ARRANGED
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Engineering Technology (E T)

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100  ORIENTATION                           02.0 CR
    1    01.00          M W      TECH A  111
102A GRAPHIC COMMUNICAT                    03.0 CR
    1    08.00-09.50      W  F   TECH A  209
         10.00          T        TECH A  111
    2    10.00-11.50      W  F   TECH A  209
         10.00          T        TECH A  111
    3    03.00-04.50      W  F   TECH A  209
         10.00          T        TECH A  111
102B GRAPHIC COMMUNICAT                    03.0 CR
      PREREQ   E T 102A
    1    08.00-09.50    M  TH    TECH A  207
         09.00            W      TECH A  111
    2    10.00-11.50    M  TH    TECH A  207
         09.00            W      TECH A  111
    3    10.00-11.50    M  TH    TECH A  209
         09.00            W      TECH A  111
    4    01.00-02.50    M  TH    TECH A  207
         09.00            W      TECH A  111
    5    03.00-04.50    M  TH    TECH A  207
         09.00            W      TECH A  111
102C GRAPHIC COMMUNICAT                    03.0 CR
      PREREQ   E T 102B
    1    08.00-09.50    M  TH    TECH A  219
         02.00            W      TECH A  111
    2    10.00-11.50    M  TH    TECH A  219
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      02.00                W        TECH A  111
   3  01.00-02.50            TH     TECH A  219
      02.00                W        TECH A  111
   4  02.00                W        TECH A  111
      03.00-04.50       M  TH       TECH A  219
260A  ANALYTIC MECHANICS                 03.0 CR
      PREREQ   MATH 150B CR CONCURRENT
               ENROLLMENT
   1  12.00             M W  F       TECH A  210
260B  ANALYTIC MECHANICS                 03.0 CR
      PREREQ   E T 260A
   1  08.00             M W  F       TECH A  208
260C  ANALYTIC MECHANICS                 03.0 CR
      PREREQ   E T 260B
   1  11.00             M W  F       TECH A  210
   2  03.00             M W  F       TECH A  410
301B  REF AIR COND                       03.0 CR
      PREREQ   E T 301A
   1  08.00             M W  F       TECH D  131
303C  ELECTRONIC TECH                    03.0 CR
      PREREQ   E T 303B
   1  08.00              T TH        TECH D  106
      09.00-11.50              S     TECH D  106
304B  ELECTRICAL CIRCUITS                03.0 CR
      PREREQ   E T 304A
   1  10.00             M W         TECH A  111
      08.00-10.50         TH        TECH D  104
   2  10.00             M W         TECH A  111
      06.00-09.00 PM    M           TECH D  104
   3  10.00             M W         TECH A  111
      08.00-10.50        T          TECH D  104
304C  ELECTRICAL CIRCUITS                03.0 CR
      PREREQ   E T 304B
   1  10.00              T TH        TECH A  208
      01.00-03.50          W         TECH D  104
   2  10.00              T TH        TECH A  208
      01.00-03.50            TH      TECH D  104
308C  MACHINE DESIGN                     03.0 CR
      PREREQ   E T 308B
   1  09.00             M W  F       TECH A  410
310C  CONST MECHANICS                    03.0 CR
      PREREQ   E T 310B
   1  11.00             M W  F       TECH A  319
311B  ENGR MATERIALS                     03.0 CR
      PREREQ   E T 311A
   1  01.00              T TH        TECH A  210
      09.00-11.50              S     TECH D   14
   2  01.00              T TH        TECH A  210
      02.00-04.50            TH      TECH D   14
313B  EL HEAT POWER                      04.0 CR
      PREREQ   E T 313A
   1  11.00             M W  F       TECH A  322
318B  HYDRAULICS                         03.0 CR
      PREREQ   E T 318A
   1  10.00                W         TECH A  422
      10.00             M           TECH A  220
      06.00-08.50 PM       W        TECH D   14A
   2  10.00             M           TECH A  220
      10.00                W        TECH A  422
      02.00-04.50            TH      TECH D   14A
322B  I C ENGINES                        03.0 CR
      PREREQ   E T 322A
   1  01.00             M W  F       TECH A  221
332C  ELECT MACHINERY                    03.0 CR
      PREREQ   E T 332B
   1  01.00             M W         TECH A  122
      02.00-04.50            TH      TECH D  122
337   MATER + ENER BALANC                03.0 CR
      PREREQ   CHEM 111B CR GSA 101B,
               MATH 150B
   1  02.00             M W  F       TECH A  221
338B  ELECT INSTRUMENT                   04.0 CR
      PREREQ   E T 338A
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    1    10.00              T TH     TECH A  120
         06.00-09.00 PM     T        TECH B  139
342A  ENGR TECH DESIGN                  03.0 CR
       PREREQ   E T 304, ENGR 300B, E T 311
    1    12.00              M W  F   TECH A  320
349C  UNIT OPERATIONS                   03.0 CR
       PREREQ   E T 349B
    1    03.00              M W  F   TECH A  221
363A  SURVEYING                         04.0 CR
       PREREQ   E T 101
    1    01.00              T TH     TECH A  111
         02.00-04.50        T TH     TECH A  319
    2    01.00              T TH     TECH A  111
         01.00-03.50        M W      TECH A  319
    3    01.00              T TH     TECH A  111
         08.00-10.50        M W      TECH A  319
363C  SURVEYING                         04.0 CR
       PREREQ   E T 363B
    1    09.00              M W      TECH A  319
         08.00-10.50        T TH     TECH A  319
364B  HIGHWAY ENGINEERING               03.0 CR
       PREREQ   E T 364A
    1    04.00              M W  F   TECH A  319
426C  PHOTOGRAMMETRY                    03.0 CR
       PREREQ   E T 426B
    1    TO BE ARRANGED
430   SPECIAL PROBLEMS        02.0 TO 08.0 CR
       PREREQ   CONSENT OF COORDINATOR
    1    TO BE ARRANGED
437C  IND ELECT AND COMM                03.0 CR
       PREREQ   E T 437B
    1    09.00              T TH     TECH D  106
         06.00-09.00 PM       TH     TECH D  106
465B  INDUSTRIAL SAFETY                 04.0 CR
       PREREQ   JR STANDING
    1    10.00              MT THF   TECH A  320
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English (ENG)

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105A  ENG COMP-FOREIGN ST     03.0 TO 06.0 CR
       PREREQ   EQUIVALENT TO GSD 101-LIMITED
                TO FOREIGN STUDENTS
    1    08.00              M W  F   AG       150
         12.00                 TH    WHAM     201
    2    12.00              M W  F   WHAM     137
         12.00                 TH    WHAM     201
105B  ENG COMP-FOREIGN ST     03.0 TO 06.0 CR
       PREREQ   EQUIVALENT TO GSD 102-LIMITED
                TO FOREIGN STUDENTS
    1    12.00              M W  F   PULL      43A
         04.00                 TH    H EC     208
    2    04.00              M W  F   PULL      43
         04.00                 TH    H EC     208
300A  GRAMMATICAL ANAL                  03.0 CR
    1    08.00              M W  F   AG       170
    2    10.00              M        COMM    1022
         10.00                 W  F   AG       150
    3    12.00              M W  F   H EC     206
    4    01.00              M        PULL      39
         01.00                 W  F   WHLR     113
    5    06.00        PM    T TH     H EC     206
    6    07.35-09.15 PM     T TH     H EC     206
300B  GRAMMATICAL ANAL                  03.0 CR
       PREREQ   ENG 300A
    1    11.00                 W  F   H EC     208
         11.00              M        WHLR     203
    2    12.00              MT THF   H EC     120
    3    04.00              M WTH    H EC     120
302A  ENG LIT TO 1550                   04.0 CR
       PREREQ   REQUIRED OF STUDENTS WITH
                CONCENTRATION IN ENG
    1    10.00              T TH     PULL      43
         10.00              M    F   WHAM     112
    2    11.00              M W  F   WHAM     329
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      11.00              TH     PHY SA  258
   3  12.00            M WTHF   WHAM    317
302B  ENG LIT 1550-1750                04.0 CR
      PREREQ   REQUIRED OF STUDENTS WITH
               CONCENTRATION IN ENG
   1  09.00            MT THF   0720    109
   2  12.00            MT THF   PULL     41
   3  02.00            M WTHF   0720    116
302C  ENG LIT-AFTER 1750               04.0 CR
      PREREQ   REQUIRED OF STUDENTS WITH
               CONCENTRATION IN ENG
   1  11.00            MT THF   0720    114
   2  12.00            MT THF   PULL     43
   3  01.00            MT THF   0720    116
   4  02.00            MT THF   PULL     43
   5  03.00            M WTHF   PULL     43
   6  07.35-09.15 PM    T TH    H EC     104
309A  AMER LIT-TO 1860                 04.0 CR
   1  09.00            MT THF   0720    108
   2  10.00            MT THF   0720    108
   3  01.00             T TH    WHAM    228
      01.00            M W      PULL     41
   4  02.00            MTWTH    PULL     43A
309B  AMER LIT-SINCE 1860              04.0 CR
   1  09.00             T TH    PHY SA  258
      09.00            M   F    H EC     208
309C  AM LIT 1914-PRESENT              04.0 CR
   1  08.00            MT THF   PULL     43A
   2  01.00            M WTHF   H EC     120
   3  07.35-09.15 PM   M W      PARK     111
390   ADVANCE COMPOSITION              03.0 CR
      PREREQ   C AVERAGE IN GSC 101, 102
               AND GSC 103
   1  10.00            M W      PHY SA  458
      10.00               TH    PARK    309
   2  12.00            M W  F   WHAM    301B
   3  02.00            MT TH    H EC     122
   4  06.00-07.15 PM   M W      WHAM    312
   5  07.35-08.50 PM   M W      WHAM    208
400   INTRO-STRUCT LINGUI              04.0 CR
   1  02.00            MT THF   0871    102
404C  MID ENG LIT-CHAUCER              04.0 CR
   1  02.00            MT THF   WHAM    312  GARDNER
412E  AGE OF JOHNSON                   04.0 CR
      PREREQ   MAY BE TAKEN SINGLY
   1  12.00            MT THF   0720    101
417   BLACK LITERATURE                 04.0 CR
   1  04.00            MT THF   WHAM    112
420A  AMER POET - TO 1900              04.0 CR
      PREREQ   MAY BE TAKEN SINGLY
   1  01.00            M WTHF   0720    114  STIBITZ
421D  ENG POET-MODERN                  04.0 CR
   1  01.00            M WTHF   TECH A  410  EPSTEIN EDMUND LLOYD
431C  AM WRIT 1865-1915                04.0 CR
   1  01.00            M WTHF   0721    101  WEBB HOWARD W JR
454A  ENG FICT-18C NOVEL               04.0 CR
   1  09.00            MT THF   WHAM    321  SCHONHORN
454B  ENG FICT-VICT NOVEL              04.0 CR
   1  02.00            MT THF   0720    114  PARTLOW ROBERT B JR
458B  AMER FICT - CONTEMP              04.0 CR
   1  10.00            MT THF   WHAM    321  HOWELL JOHN
460D  BRIT DRAMA-MOD BRIT              04.0 CR
   1  11.00            MT THF   0721    101  BOYLE TED EUGENE
471A  SHAKESPEARE                      04.0 CR
   1  08.00            MTWTH    H EC     122  BALDWIN T W
471B  SHAKESPEARE                      04.0 CR
   1  10.00            MT THF   H EC     122  BROWN
   2  12.00            MT THF   WHAM    321  BROWN WILLIAM J
   3  02.00            MT THF   0721    101  GRIFFIN
473   MILTON                           04.0 CR
   1  11.00            MT THF   0720    109  SCHULTZ
485   PROB TEACH ENG /P/               04.0 CR
   1  10.00-11.50       T TH    0720    107  APPLEBY
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    2    02.00-03.50      M W       PULL      41  BOTTS
495A  LIT CRITICISM-HIST                 04.0 CR
    1    03.00            M WTHF    H EC      122  BENZIGER
495B  LIT CRITICISM-MOD                  04.0 CR
    1    09.00            MT THF    H EC      122  RUDNICK
497A  HONORS  ENGLISH                    04.0 CR
       PREREQ   DEPARTMENTAL APPROVAL REQUIRED
    1    11.00            MT THF    H EC      122  HOWELL
497B  HONORS  ENGLISH                    04.0 CR
       PREREQ   DEPARTMENTAL APPROVAL REQUIRED
    1    08.00            MT THF    H EC     122A RAINBOW
497C  HONORS  ENGLISH                    04.0 CR
    1    TO BE ARRANGED                            RAINBOW
499   READINGS IN ENGLISH     02.0 TO 06.0 CR
       PREREQ   NO MORE THAN 4HRS MAY BE TAKEN
                IN ANY ONE QUARTER
    1    TO BE ARRANGED
    2    10.00-11.50       T TH      0720      105  TENNEY
      AESTHETICS OF LITERATURE
    3    03.00-04.50       T TH      WHAM     301B DAVIES
      INTELLECTUAL BACKGROUNDS OF RESTORATION
      + 18TH C LIT
502   BEOWULF                            04.0 CR
       PREREQ   ENGLISH 501
    1    06.00-09.30 PM    T         H EC      201  GARDNER
504A  ADV ENGLISH GRAMMAR                04.0 CR
       PREREQ   ENG 405B
    1    09.00            MT THF    WHAM     301A CARRELL PATRICIA
    2    02.00            M         WHAM     301B KATRANIDES
         02.00             T TH     WHAM      329
504B  ADV ENGLISH GRAMMAR                04.0 CR
       PREREQ   ENG 405A
    1    10.00            M         PARK      204  CARRELL
         10.00             T THF    LS I      323
505A  CONTRAS + HIST LING                04.0 CR
       PREREQ   ENG 400
    1    10.00            M     F   AG        188  FRIEND
         10.00             T TH     PARK      301
    2    11.00            MT TH     WHAM      321  REDDEN
         11.00                  F   WHAM     301B
509   STUD MID ENG LIT       04.0 TO 12.0 CR
    1    08.00-09.50      M W       WHAM     301B HATTON
      DEPT. APPROVAL REQUIRED FOR REGISTRATION
513   STUD 17 C ENG LIT      04.0 TO 12.0 CR
    1    01.00-02.50       T TH     WHAM     301B SCHULTZ HOWARD
      PROB IN HIST OF IDEAS-1600-1670 (DEPT AP
      PROVAL REQ)
514B  EARLY 18TH C LIT       04.0 TO 08.0 CR
    1    10.00-11.50       T TH     WHAM     301A VIETH
      SWIFT- DEPT APPROVAL REQUIRED FOR
      REGISTRATION
518   STUD ENG LIT           04.0 TO 12.0 CR
    1    08.00-09.50       T TH     WHAM     301B BOYLE TED EUGEN
      CONRAD + HARDY-DEPT APPROVAL REQUIRED
      FOR REGIS
521   STUDIES VIC POETRY     04.0 TO 12.0 CR
    1    03.00-04.50       T TH     WHAM      212  HILLEGAS
      DEPT. APPROVAL REQUIRED FOR REGISTRATION
532   STUDIES AMER TRANS     04.0 TO 12.0 CR
    1    03.00-04.50      M     F   WHAM      212  STIBITZ
      THOREAU-DEPT APPROVAL REQUIRED FOR
      REGISTRATION
537   STUD 20TH C AM WR      04.0 TO 12.0 CR
    1    10.00-11.50      M W       WHAM     301A PIPER HENRY DAN
      FICTION OF SCOTT FITZGERALD (DEPT APPROV
      AL REQUIRED)
538   PROB IN AM LIT         04.0 TO 12.0 CR
    1    01.00-02.50      M W       0720      109  HURLEY
      CONTEMPORARY ABSURDIST FICTION (DEPT APP
      ROVAL REQ)
555   STUD VIC NOVEL         04.0 TO 12.0 CR
    1    12.00-01.50      M     F   AG        170
579A  STUDIES IN MOD LIT     04.0 TO 08.0 CR
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   1    03.00-04.50      M     F    WHAM     301B
81A  COMP IN HIGH SCHCCL                  04.0 CR
   1    06.00-09.30 PM   M          WHAM     212   EVANS
85   TEACHING COL CCMP                    02.0 CR
   1    TO BE ARRANGED                              HURLEY
88C  METH ENG FOR LANG                    03.0 CR
   1    09.00            MT THF    WHAM     212   PARISH
   2    01.00            MT THF    WHAM     301A  KATRANIDES ARISTOTLE
94A  STUD LIT FORM-SYMB                   04.0 CR
   1    12.00-01.50      M     F    AG       170   KINSELLA
97   READ-LINGUISTICS          02.0 TO 06.0 CR
      PREREQ   ENG 400 CR EQUIVALENT-CONSENT
               OF DEPARTMENT
   1    03.00            MT THF    H EC     122A
98A  IND REV ENG AM LIT        01.0 TO 03.0 CR
   1    TO BE ARRANGED                              GRIFFIN ROBERT P
98B  IND REV ENG AM LIT        01.0 TO 03.0 CR
   1    TO BE ARRANGED                              GRIFFIN ROBERT P
00   DISSERTATION              01.0 TO 48.0 CR
   1    TO BE ARRANGED                              GRIFFIN ROBERT P
```

nance (FIN)

```
05   PERSONAL FINANCE                     04.0 CR
   1    08.00            MT THF    0861     101
20   INTRO TO BUS FIN                     04.0 CR
      PREREQ   ACCT 261 CR CCNSENT OF INSTRUC
               TOR, ECCN 215
   1    09.00            MTWTHF    0861     101
   2    11.00            MTWTHF    WHAM     302
   3    01.00            MTWTHF    AG       214
   4    03.00            MTWTHF    WHAM     302
   5    03.00            MTWTHF    H EC     206
23   INVESTMENTS                          04.0 CR
      PREREQ   320 CR CCNSENT CF INSTRUCTOR
   1    01.00            MTWTH     0861     101
26   MGT OF FINANCE INST                  04.0 CR
      PREREQ   FIN 320-4
   1    10.00            MTWTH     LS I      16
27   RISK MANAGEMENT                      04.0 CR
      PREREQ   JUNIOR STANDING
   1    10.00            MT THF    WHAM     302
71   BUSINESS LAW I                       04.0 CR
   1    09.00             TWTHF    LAWSON   221
   2    10.00             TWTHF    AG       214
   3    11.00              T THF   PULL      38
        11.00                W     PARK     111
72   BUSINESS LAW II                      04.0 CR
      PREREQ   371
   1    12.00             TWTHF    LAWSON   221
73   BUSINESS LAW III                     04.0 CR
      PREREQ   371
   1    08.00             TWTHF    H EC     206
81   MGT OF BUS FINANCE                   04.0 CR
      PREREQ   320
   1    02.00            MTWTH     AG       214
83   BUS IN LEG ENVIRCN                   04.0 CR
      PREREQ   SENICR STANDING
   1    01.00            M         PARK     204
        01.00             T THF    PARK     111
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od & Nutrition (F & N)

```
10   FUNDAMENT NUTRI                      03.0 CR
   1    03.00            M W  F    H EC     140B
11   F+N DEMONSTRATION                    03.0 CR
      PREREQ   F+N 256
   1    10.00             T TH     H EC     140B
        11.00-12.50       T TH     H EC     101
   2    10.00             T TH     H EC     140B
        11.00-12.50      M W       H EC     101
35   MEAL MANAGEMENT                      04.0 CR
      PREREQ   F+N 256
   1    02.00             T TH     H EC     203   BECKER HENRIETTA E
        03.00-04.50       T TH     H EC     105
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    2    02.00              T TH     H EC    203  BECKER HENRIETT
         03.00-04.50      M W        H EC    105
363  FOOD PUR FOR INSTIT                  03.0 CR
       PREREQ   F+N 256 FIELD TRIP
    1    10.00              M W  F     H EC    203  BECKER HENRIETT
390  DIET THEORY                          03.0 CR
       PREREQ   F+N 320
    1    09.00              M W  F     H EC    203  KONISHI
515  SEMINAR                              01.0 CR
       PREREQ   F+N 420 CR 421
    1    01.00               T         H EC    107  HARPER
520  ADVANCED NUTRITION                   03.0 CR
       PREREQ   F+N 420 CR EQUIVALENT
    1    01.00              M WTH      H EC    212  PAYNE
556  ADVANCED EXP FOOD                    04.0 CR
       PREREQ   F+N 500
    1    08.00              M W        H EC    214  HARPER
         08.00-09.50         T TH      H EC    214
572  SPECIAL PROBLEMS          02.0 TO 08.0 CR
    1    TO BE ARRANGED
599  THESIS                    01.0 TO 09.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
```

Foreign Languages (FL)

```
453  METH TEACH MOD F L                   04.0 CR
       PREREQ   FR, GER, SPAN, CR RUSS 201C
    1    03.00              MTW  F     WHAM    202  ANDERSON VERNON
```

Portuguese (PORT)

```
135C PORT CONVERSATION                    01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 135C
    1    10.00                   F     WHLR    203  HEVERLY CLEMENT
    2    01.00                 TH      H EC    122A HEVERLY
201C INTERMEDIATE PORT                    03.0 CR
       PREREQ   PORT 201B
    1    03.00              M W  F     PIERCE  130  HEVERLY CLEMENT
      LAB-3 00 TH
```

Prospective teachers see FL 353 for listing of methods in teaching modern foreign languages.

Chinese (CHIN)

```
120C CHIN CONVERSATION                    01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 120C
    1    10.00               T         WHAM    328  YANG ISABELLA
201C INTER CHINESE                        05.0 CR
       PREREQ   CHIN 201B
    1    11.00             MTWTHF      WHAM    137  YANG ISABELLA
315  READINGS IN CHINESE     02.0 TO 06.0 CR
       PREREQ   CHIN 201C
    1    TO BE ARRANGED                                YANG
```

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French (FR)

```
123A FRENCH CONVERSATION                  01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN GSD 1
                23A
    1    11.00               T         COMM   1018
    2    04.00                W        H EC    122
123B FRENCH CONVERSATION                  01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 123B
    1    09.00                 TH      BAILEY  130
    2    11.00               T         WHLR    203
    3    01.00                 TH      WHLR    207
    4    03.00                 TH      WHLR    203
123C FRENCH CONVERSATION                  01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 123C
    1    08.00               T         WHLR    203
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  2    10.00              TH     H EC     122A
  3    11.00             W       WHLR     107
  4    12.00            T        WHLR     203
  5    01.00                F     WHLR     203
  6    02.00            T        WHLR     207
61A  FR FOR GRAD STUDENT                00.0 CR
  1    03.00          MTW  F     WHLR     207
61B  FR FOR GRAD STUDENT                00.0 CR
  1    03.00          MTW  F     H EC     104
01A  INTERMEDIATE FRENCH                03.0 CR
      PREREQ   GSD 123-S CR GSC 123C, OR
               2 YRS HIGH SCHCCL
  1    04.00          MT   F     H EC     122
     LAB-4 00 W
01B  INTERMEDIATE FRENCH                03.0 CR
      PREREQ   FR 201A CR EQUIVALENT
  1    08.00          M WTH      WHLR     207
     LAB-8 00 F
  2    12.00          M W  F     WHLR     107
     LAB-12 00 TU
01C  INTERMEDIATE FRENCH                03.0 CR
      PREREQ   FR 201B CR EQUIVALENT
  1    08.00          M W  F     WARREN   129
     LAB-8 00 TH
  2    09.00          M WTH      WHLR     214
     LAB-9 00 F
  3    11.00           T THF     WHLR     212
     LAB-11 00 M
  4    12.00          M W  F     H EC     104
     LAB-12 00 TH
  5    01.00          MT TH      WHLR     113
     LAB-1 00 F
  6    02.00          M W  F     WHLR     212
     LAB-2 00 TH
  7    03.00           T TH      WHLR     212
       03.00          M          WHLR     214
     LAB-3 00 W
  8    04.00          M W  F     WHLR     214
     LAB-4 00 TU
0C   INTER FR CONVERSAT                  02.0 CR
      PREREQ   FR 201C CR CONCURRENT
               REGISTRATION IN 201
  1    09.00            W  F     WHAM     312
  2    11.00            W  F     WHLR     203
  3    12.00           T TH      H EC     104
  4    02.00           T TH      WHLR     203
0    ADV COMP-AND CONV                  04.0 CR
      PREREQ   FR 201C
  1    10.00          MTWTH      H EC     104
  2    10.00          MTWTH      H EC     120
4    INTRO LIT ANALYSIS                 04.0 CR
      PREREQ   FR 350
  1    10.00          MT THF     WHLR     207  C'MEARA
7B   SURVEY FR LIT                      03.0 CR
      PREREQ   397A
  1    09.00          MT TH      WHAM     312  QUINN
7C   SURVEY FR LIT                      03.0 CR
      PREREQ   FR 350 CR CONSENT OF INSTR
  1    01.00          M          GYM      203  VOGELY
       01.00            W  F     PARK     301
1C   17 CENT FR LIT                     03.0 CR
  1    11.00             TH      GYM      203  C'MEARA
       11.00          M W        H EC     120
2B   CONTEM FR NOV + THE                03.0 CR
      PREREQ   354 AND CNE QUARTER OF 397
  1    09.00          M W  F     WHLR     207  ROWLAND
8    HONORS SEMINAR                     03.0 CR
      PREREQ   DEPARTMENTAL APPROVAL
  1    02.00          M W  F     WHLR     207  ROWLAND MICHAEL L
59   19TH CEN FRENCH LIT    02.0 TO 06.0 CR
  1    07.35-09.00 PM   T TH     H EC     118  KILKER
5B   OLD FRENCH                         03.0 CR
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       PREREQ.  RPH 410 CR EQUIVALENT
    1     01.00            M W  F    H EC     104  DAVIS
516B  FR LIT OF THE RENAI                      03.0 CR
    1     12.00            M WTHF    WHLR     203  SMITH
      LA PLEIADE
543   RESEARCH PROBLEMS          02.0 TO 06.0 CR
    1     TO BE ARRANGED
599   THESIS                     02.0 TO 09.0 CR
    1     TO BE ARRANGED
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Prospective teachers see FL 353 for listing of methods in teaching modern foreign languages.

German (GER)

```
126A  GERMAN CONVERSATION                      01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 126A
    1     03.00            T         WHLR     113
126B  GERMAN CONVERSATION                      01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 126B
    1     09.00            T         WHLR     107
    2     01.00            T         WHLR     107
    3     02.00              TH      PARK     309
126C  GERMAN CONVERSATION                      01.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                GSD 126C
    1     08.00            T TH      WHLR     212
      TAKEN CONCURRENTLY WITH GSD 126C SECT 1
    2     09.00              TH      PARK     301
    3     11.00            T         WHLR     107
    4     02.00            T         PARK     309
161A  GER FOR GRAD STUD                        00.0 CR
    1     12.00            MTW  F    WHAM     228
161B  GER FOR GRAD STUD                        00.0 CR
    1     12.00            MTW  F    WHAM     206
201B  INTERMEDIATE GERMAN                      03.0 CR
       PREREQ   GER 201A CR EQUIVALENT
    1     09.00            T   F     WHLR     214
          09.00              TH      AG       188
      LAB-9 00 M
201C  INTERMEDIATE GERMAN                      03.0 CR
       PREREQ   GER 201B
    1     09.00            MT TH     WHAM     329
      LAB-9 00 W
    2     11.00            M W  F    AG       170
      LAB-11 00 TH
    3     01.00            M W  F    PARK     309
      LAB-1 00 TH
220C  INTER GER CONVERSAT                      02.0 CR
       PREREQ   GER 201C CR CONCURRENT
                REGISTRATION IN 201
    1     09.00            T TH      H EC     203
    2     11.00            T TH      PARK     309
    3     01.00            T TH      WHAM     137
251   SCIENTIFIC GERMAN                        04.0 CR
       PREREQ   ONE YR COLLEGE GERMAN OR ITS
                EQUIVALENT
    1     01.00            MT THF    WHLR     212  NEUFELD A K
303   NOVELLE 19TH CENT                        04.0 CR
    1     09.00            M         PARK     309  COSENTINO
          09.00             T THF    WHAM     319
304C  ADV COMP + CONVERS                       04.0 CR
    1     10.00            MT THF    GYM      204  LIEDLOFF HELMU
312   GER DRAMA 19TH CENT                      04.0 CR
    1     11.00            MT THF    WHLR     207  COSENTINO VINC T
408   GERMAN CIVILIZATION                      04.0 CR
    1     11.00            MT THF    GYM      204  HARTWIG
413B  GERMAN LINGUISTICS                       03.0 CR
    1     10.00            M W  F    WHLR     214  FRENCH
499   READGS IN 20TH CT          01.0 TO 02.0 CR
    1     02.00            T TH      WHLR     212  COSENTINO
514   SEMINAR IN FOLKLORE                      03.0 CR
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  1    02.00            M W  F    WHLR     203  LIECLOFF
3  RESEARCH PROBLEMS       02.0 TO 06.0 CR
  1    TO BE ARRANGED
9  THESIS                  02.0 TO 09.0 CR
  1    TO BE ARRANGED
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ospective teachers see FL 353 for listing of thods in teaching modern foreign languages.

ek (GRK)

```
1C  INTERMEDIATE GREEK              04.0 CR
     PREREQ   GRK 2018
  1    TO BE ARRANGED                              C'BRIEN
5  READINGS-GRK AUTHOR    02.0 TO 08.0 CR
     PREREQ   BY PERMISSION ONLY
  1    TO BE ARRANGED                              C'BRIEN
```

ospective teachers see FL 353 for listing of thods in teaching modern foreign languages.

ian (ITAL)

```
4C  ITALIAN CONVERSAT               01.0 CR
     PREREQ   CONCURRENT ENRCLLMENT IN
              GSD 144C
  1    09.00             T        AG       188
  2    06.00        PM      TH    WHLR     203
1C  INTERMEDIATE ITAL               03.0 CR
     PREREQ   ITAL 2018
  1    10.00            M    F    AG       216
       10.00             T       AG       188
    LAB-10 00 W
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ospective teachers see FL 353 for listing of thods in teaching modern foreign languages.

n (LATN)

```
1C  INTERMEDIATE LATIN              04.0 CR
     PREREQ   LATN 2018
  1    11.00            MT THF   H EC     122A SHELBY THOMAS M
5  READ-LATN AUTHORS       02.0 TO 08.0 CR
     PREREQ   BY SPECIAL PERMISSION ONLY
  1    10.00            M W      H EC     122A SHELBY THOMAS M
5  VERGILS AENEID                  04.0 CR
  1    09.00            MTWTH    WHLR     203  SHELBY
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spective teachers see FL 353 for listing of hods in teaching modern foreign languages.

ian (RUSS)

```
6B  RUSS CONVERSATION               01.0 CR
     PREREQ   CONCURRENT ENRCLLMENT IN
              GSD 136B
  1    10.00               TH     WHLR     203
6C  RUSS CONVERSATION               01.0 CR
     PREREQ   CONCURRENT ENRCLLMENT IN
              GSD 136C
  1    08.00             T        WHLR     107
  2    10.00               TH     H EC     106
  3    02.00             T        WHLR     107
  4    06.00        PM   M        WHAM     301A
2C  INTERMED RUSSIAN                03.0 CR
     PREREQ   RUSS 2018
  1    09.00            M W  F    WHLR     113
    LAB-9 00 TH
  2    04.00            M W  F    WHLR     203
    LAB-4 00 TH
2C  INTER RUSS CONVER               02.0 CR
     PREREQ   RUSS 201 CR CONCURRENT
              REGISTRATION
  1    01.00             T TH     GYM      204
3C  SURV RUSS LIT                   03.0 CR
     PREREQ   RUSS 308B
  1    10.00            M        WHAM     137  KUPCEK JOSEPH R
       10.00              W  F   H EC     206  KUPCEK JOSEPH R
3C  ADV COMP AND CONV               02.0 CR
     PREREQ   CONCURRENT ENRCLLMENT IN RUSS
              308C
  1    10.00             T TH     WHAM     137
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462 RUSSIAN STYLISTICS 04.0 CR
PREREQ RUSS 308C
1 02.00 MTW F GYM 204 SHANKOVSKY
510 RUSS LIT 18TH CENT 03.0 CR
1 TO BE ARRANGED KUPCEK
514C HISTORY - RUSS LANG 02.0 CR
1 TO BE ARRANGED KUPCEK
543 RESEARCH PROBLEMS 02.0 TO 06.0 CR
1 TO BE ARRANGED KUPCEK JOSEPH R

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Spanish (SPAN)

140A SPAN CONVERSATION 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 140A
1 09.00 TH H EC 122A
2 02.00 TH H EC 122A

140B SPAN CONVERSATION 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 140B
1 09.00 T H EC 122A
2 01.00 T H EC 122A
3 02.00 W COMM 1006

140C SPAN CONVERSATION 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 140C
1 09.00 T H EC 201
2 11.00 TH WHLR 203
3 12.00 TH WHLR 107
4 01.00 W WHLR 203
5 02.00 T H EC 122A
6 03.00 TH H EC 120

161A SPAN FOR GRAD STUD 00.0 CR
1 12.00 MTWTH H EC 201
2 12.00 MTWTH PARK 111

201B INTERMED SPANISH 03.0 CR
PREREQ SPAN 201A
1 09.00 W F H EC 104
09.00 M H EC 122A
LAB-9 00 T
2 03.00 M W F GYM 204
LAB-3 00 TU

201C INTERMED SPANISH 03.0 CR
PREREQ SPAN 201B
1 08.00 M W F WHLR 203
LAB-8 00 TU
2 10.00 T F PHY SA 156
10.00 TH PHY SC 116
LAB-10 00 M
3 10.00 M AG 154
10.00 WTH AG 170
LAB-10 00 TU
4 11.00 MT TH WHAM 212
LAB-11 00 W
5 12.00 M THF WHAM 212
LAB-12 00 W
6 01.00 M W F WHLR 214
LAB-1 00 TU
7 02.00 M W F H EC 104
LAB-2 00 TU
8 03.00 T WHLR 113
03.00 W F WHLR 107
LAB-3 00 M

220C INTER SPAN CONVER 02.0 CR
PREREQ SPAN 220B
1 09.00 W F WHAM 137
2 09.00 W F H EC 122A
3 12.00 T TH H EC 122A
4 12.00 T TH WHLR 113
5 06.00 PM T TH H EC 104A
6 06.00 PM T TH H EC 118

310C SURVEY SPANISH LIT 03.0 CR
1 09.00 M W F AG 170 CARLSON

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   2     11.00              M W  F    H C       202  ARTILES
   3     02.00              M W  F    PARK      301  CARLSON
20B  ADV COMP AND CONV                   02.0 CR
   1     10.00              M W       WHLR      203  CAVIS
20C  ADV COMP AND CONV                   02.0 CR
   1     09.00               T TH     WHAM      137
   2     11.00               T TH     WHLR      214
   3     02.00               T TH     WHAM      137
33C  SURV SPAN AMER LIT                  03.0 CR
   1     10.00               T TH     PHY SA    258  MEINHARDT
         10.00                  F     PHY SA    278
   2     01.00              M W  F    TECH A    120  MEINHARDT
48B  SP LIT 20TH CENT                    03.0 CR
   1     09.00              MT TH     H EC      104  ARTILES
5    CERVANTES                           04.0 CR
   1     12.00              MT THF    PARK      204  CARLSON
5    GEN TOPICS IN SPAN       03.0 TO 12.0 CR
   1     11.00              M W  F    H EC      104  MEINHARDT
0    SEMINAR LAT AM FICT      02.0 TO 06.0 CR
   1     02.00               T TH     H EC      104
1    SEMINAR SP AUTHOR        02.0 TO 06.0 CR
   1     06.00-07.40 PM         TH     WHAM      212  ANDERSON
5    MEX ESSAYIST-19TH C                 03.0 CR
   1     03.00              M W  F    WHLR      203  BORK
3    RESEARCH PROBLEMS        02.0 TO 06.0 CR
   1     TO BE ARRANGED
0    SPAN LAT AM BIBLICG      02.0 TO 04.0 CR
   1     10.00              MTW  F    LIB       103G WOODBRIDGE
9    THESIS                   02.0 TO 09.0 CR
   1     TO BE ARRANGED
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Prospective teachers see FL 353 for listing of methods in teaching modern foreign languages.

Forestry (FOR)

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21   DENDROLOGY                          04.0 CR
   1     08.00              M WTH     AG        218
         08.00-09.50         T        AG        195
   2     08.00              M W       AG        120
         08.00                 TH     AG        116
         08.00-09.50              F    AG        195
20   LUMBER GRADING                      02.0 CR
   1     11.00               T        L4        106  CSBORN HAROLD WILBUR
         11.00-12.50            TH    L4        106  CSBORN HAROLD WILBUR
36   SILV FIELD STUDIES                  03.0 CR
      PREREQ   GSA 340
   1     TO BE ARRANGED                                BUDELSKY CARL A
30   FOREST PROTECTION                   04.0 CR
   1     TO BE ARRANGED                                ROTH PAUL L
30B  FOR + OUTDOOR REC                   03.0 CR
   1     TO BE ARRANGED                                MCCURDY DWIGHT R
36B  FOREST MENSURATION                  03.0 CR
      PREREQ   363A
   1     TO BE ARRANGED
36B  SILVICULTURE-FIELD                  03.0 CR
      PREREQ   FOR 365A
   1     TO BE ARRANGED                                BUDELSKY CARL A
3    AGRI SEMINAR           01.0 TO 02.0 CR
      PREREQ   LIMITED TO SENIOR STANDING
   1     04.00               T        AG        114
30   SPEC PROB IN FOREST    01.0 TO 06.0 CR
   1     TO BE ARRANGED
40   FOR PRODUCTS INDUST                 04.0 CR
      PREREQ   FOR 320 OR CONSENT OF INSTR
   1     11.00              M W  F    AG        214  MOSLEMI AL  A
         01.00-04.50             F    AG        166  MOSLEMI AL  A
40B  FOR PARK PLAN DEVEL                 04.0 CR
   1     02.00-03.50        M W       AG        195  MISCHON RAYMOND M
         01.00-04.50             F    AG        195
40   FOR FIELD STUDIES                   02.0 CR
      PREREQ   FOR 330, 363A, 365A
   1     TO BE ARRANGED
4    LAND RESOURCE ECON                  04.0 CR
      PREREQ   FOR 470A OR ECON 440 OR
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                AG I 350
    1    08.00              TWTHF    AG       214
490   PRACTICUM                    04.0 TO 16.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
520A  READ FOR + FOR REC          01.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
520B  READINGS RES ECON           01.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTRUCTOR PLUS
                FOR 375 OR EQUIVALENT
    1    TO BE ARRANGED
520C  READ FOR PRO WD SCI         01.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                                  MOSLEMI ALI A
575   RESEARCH                    01.0 TO 06.0 CR
    1    TO BE ARRANGED
581   ADVANCED FOR SEMIN          01.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
599   THESIS                      01.0 TO 09.0 CR
    1    TO BE ARRANGED
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Convocation, University (CONV)

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000   UNIV CONVOCATION                  00.0 CR
    1    01.00              TH     ARENA    555
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Geography (GEOG)

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300   INTRO TO GEOG                     04.0 CR
    1    01.00              MT       AG       166  HILLIARD
         01.00-02.50          W      AG       144
    2    01.00              MT       AG       166  HILLIARD
         01.00-02.50          TH     AG       170
    3    01.00              MT       AG       166  HILLIARD
         01.00-02.50          W      AG       170
302   PHYSICAL GEOGRAPHY                04.0 CR
       PREREQ   GEOG 300
    1    09.00              MTWTH    AG       144  SCHMUDDE
304   ECONOMIC GEOGRAPHY                04.0 CR
       PREREQ   GEOG 300
    1    03.00              MTWTH    0483     101  THOMAS
306   CULTURAL GEOGRAPHY                04.0 CR
    1    08.00              MTWTH    0483     101  LOBB GARY
310A  CARTOGRAPH METHODS                04.0 CR
       PREREQ   GEOG 300
    1    10.00               TW      0431     101  IRWIN
         10.00-11.50           TH    0431     101
403B  ADV PHYS GEOG II                  03.0 CR
       PREREQ   GEOG 302 OR CONSENT OF DEPT
    1    11.00              M WTH    0483     101  JOHNSON
404A  ADV ECON GEOG I                   04.0 CR
       PREREQ   GEOG 304-4
    1    11.00              MTWTH    AG       144  HOUSE
405A  ADV ECON GEOG II                  04.0 CR
       PREREQ   GEOG 304 OR CONSENT OF DEPT
    1    01.00              MTWTH    0483     101  BEAZLEY
407A  ADV CULT GEOG II                  04.0 CR
       PREREQ   GEOG 306 OR CONSENT OF DEPT
    1    04.00              MTWTH    0483     101  HILLIARD
410B  ADV GEOG TECHNIQUES               04.0 CR
       PREREQ   GEOG 310 OR CONSENT OF DEPT
    1    02.00              MTWTH    0431     101  JONES DAVID L
416A  ADV CARTOGRAPHY                   04.0 CR
       PREREQ   GEOG 310
    1    09.00-10.50         T TH    0431     101
440   READINGS-MAJORS           02.0 TO 06.0 CR
       PREREQ   MAJORS ONLY
    1    TO BE ARRANGED
465A  REG GEOG-SUBSAH AFR               04.0 CR
    1    08.00              MTWTH    AG       144  FAIR
467A  REG GEOG-LATIN AMER               04.0 CR
    1    10.00              MTWTH    0483     101  PENNINGTON
470A  URBAN PLANNING                    04.0 CR
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PREREQ CONSENT OF DEPT
1 09.00 MTWTH AG 154 GAY
718 REGIONAL PLANNING 03.0 CR
PREREQ GEOG MAJORS ONLY
1 12.00 M WTH 0483 101 HOUSE
37A HONORS TUTORIAL 02.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED THOMAS
37B HONORS READING 04.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED THOMAS
90A TUTORIAL IN GEOG 01.0 TO 04.0 CR
PREREQ GEOG MAJOR AND SENIOR STANDING
1 09.00-10.50 F 0483 101
90B TUTORIAL IN GEOG 01.0 TO 04.0 CR
PREREQ GEOG MAJOR AND SENIOR STANDING
1 09.00-10.50 F 0483 101
90C TUTORIAL IN GEOG 01.0 TO 04.0 CR
PREREQ GEOG MAJOR AND SENIOR STANDING
1 09.00-10.50 F 0483 101
0 SEMINAR PHYS GEOG 02.0 TO 12.0 CR
1 06.00-08.35 PM M 0483 101 SHARPE
1 SEM-ECON GEOG 02.0 TO 12.0 CR
1 06.00-08.35 PM T 0483 101 FAIR
4 SEM CULTURAL GEOG 02.0 TO 08.0 CR
1 06.00-08.35 PM W 0483 101 LOBB
7 SEMINAR - PLANNING 02.0 TO 08.0 CR
PREREQ GEOG 470
1 06.00-08.35 PM T 0485 101 GAY
0 INDEP STUDY GEOG 02.0 TO 10.0 CR
1 TO BE ARRANGED
0A RESEARCH PHYS GEOG 02.0 TO 36.0 CR
PREREQ GEOG 520
1 TO BE ARRANGED CARTER
0B RESEARCH-ECON GEOG 02.0 TO 36.0 CR
PREREQ GEOG 521
1 TO BE ARRANGED THOMAS FRANK HENRY
0C RESEARCH REG GEOG 02.0 TO 36.0 CR
PREREQ GEOG 522
1 TO BE ARRANGED PENNINGTON
0D RESEARCH CULT GEOG 02.0 TO 36.0 CR
PREREQ GEOG 524
1 TO BE ARRANGED PENNINGTON CAMPBELL
9 THESIS 03.0 TO 09.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
0 DISSERTATION 01.0 TO 48.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED THOMAS

Cology (GEOL)

2 PHYSICAL GEOLOGY 03.0 CR
PREREQ HIGH SCHOOL OR COLLEGE CHEM
1 11.00 M F PARK 111 DAVIS RICHARD W
09.00-11.50 W PARK 205
2 11.00 M F PARK 111 DAVIS RICHARD W
01.00-03.50 W PARK 205
3 PETROLOGY 04.0 CR
PREREQ GEOL 310
1 09.00 MT TH PARK 111 SAWATZKY DON L
01.00-02.50 F PARK 103
3 ECONOMIC GEOLOGY 04.0 CR
PREREQ GEOL 302, 310B
1 12.00 MT F PARK 103 HOOD W
3 GEOMORPHOLOGY 04.0 CR
PREREQ GEOL 220
1 10.00 T F PARK 205 HARRIS STANLEY E JR
10.00-11.50 M TH PARK 205
1 STRATIGRAPHY+SED 04.0 CR
PREREQ GEOL 220,221,310A, 315,425 A+B
OR CONSENT OF INSTRUC
1 08.00 MT F PARK 111 COHEN
04.00-05.50 TH PARK 205

411 MINERALOGY III 03.0 CR
PREREQ GEOL 310 A+B
1 TO BE ARRANGED FANG J H
416 X-RAY CRYSTALLOG 04.0 CR
PREREQ GEOL 310, MATH 150
1 04.00-05.50 M WTH COMM 6 FANG JEN-HO
440 INDEPENDENT STUDY 01.0 TO 04.0 CR
PREREQ GEOL 220,221,ADVANCED STANDING
1 TO BE ARRANGED
455 ENGINEERING GEOLOGY 03.0 CR
PREREQ GSA 110A, B OR GEOL 220
1 TO BE ARRANGED
510C STRATIGRAPHY 03.0 CR
1 04.00 M F PARK 110 SAWATZKY
03.00-05.50 T PARK 205
528 INTRO TO MICROPALEO 03.0 TO 09.0 CR
PREREQ GEOL 425
1 TO BE ARRANGED UTGAARD JOHN
540 ADVANCED STUDIES 03.0 CR
PREREQ CONSENT
1 01.00 M W F PARK 110 HOOD WILLIAM
TOPIC GEOCHEMISTRY
541 RESEARCH 01.0 TO 09.0 CR
PREREQ CONSENT
1 TO BE ARRANGED
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED

Government (GOVT)

200 INTR TO POL SCIENCE 04.0 CR
1 10.00 MTWTH WHAM 202 LEVINE
231 AMERICAN NATL GOVT 04.0 CR
1 09.00 MTWTH WHAM 202 HANSON
2 01.00 MT THF WHAM 202 CHASTAIN
3 04.00 MTWTH 0861 101 PERNACCIARO
232 STATE LOCAL GOVT 04.0 CR
PREREQ 231 OR GSB 211B
1 08.00 MTWTH LAWSON 131 RILEY
2 10.00 MT THF AG 228 JACKSON
3 01.00 MT THF LAWSON 131 RIDGEWAY MARI
4 03.00 MTWTH LAWSON 131 STEINHAUER
305 DEV AM CONSTITUTION 05.0 CR
PREREQ GOVT 231
1 02.00 M W F LAWSON 201 TURNER MAX WE
02.00 T TH LAWSON 131
321 READINGS 01.0 TO 06.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED SAPPENFIELD
2 TO BE ARRANGED SAPPENFIELD
330 ILL GOVERNMENT 02.0 CR
PREREQ GOVT 232
1 10.00 T TH LAWSON 131 KENNEY
2 02.00 M W LAWSON 131 BIANCHI RINO
340 THE LEGIS PROCESS 03.0 CR
PREREQ GOVT 231
1 11.00 M 0720 116 STEINHAUER
11.00 T TH 0720 118
360 PUBLIC ADMIN 05.0 CR
PREREQ GOVT 231
1 11.00 MTWTHF WHAM 308 GOODSELL
2 03.00 MTWTHF 0875 102 SAPPENFIELD M
380 POLITICAL PARTIES 04.0 CR
PREREQ GOVT 231 OR 232
1 12.00 MT THF WHAM 308
2 03.00 MTW F LAWSON 131 KAHN MELVIN A
398 GOVERNMENT AND LAW 04.0 CR
PREREQ GOVT 231
1 11.00 MT THF WHAM 328 ISAKOFF
406 AMER CHIEF EXEC 04.0 CR
PREREQ GOVT 231,232
1 09.00 MT THF LAWSON 131 NELSON RANDAL
415C POLITICAL BEHAVIOR 03.0 CR
1 04.00 TWTH PHY SC 156 MILLER

8 SOC WELFARE LEGIS 04.0 CR
PREREQ CONSENT CF INSTRUCTOR
1 02.00 MT THF WHAM 302 HANSON
0C LATIN-AMERICAN GCVT 04.0 CR
1 03.00 M F WHAM 329 GARNER WILLIAM R
03.00 T TH WHAM 328
1 INTERN POL OF EUR 04.0 CR
1 03.00-04.50 T TH 0871 101 LANDECKER
3C GOVT POL-SOV UNICN 04.0 CR
1 10.00 MT THF COMM 1006 STAUBER LELAND
6 GR BRIT + COMMCNWEA 04.0 CR
PREREQ GSB 390 OR CONSENT OF INSTR
1 03.00 TWTHF WHAM 228 HARDENBERGH
8A GOVT + POL OF ASIA 04.0 CR
1 03.00-04.50 M W 0720 114
9 POL-DEVELOPING AREA 04.0 CR
PREREQ GSB 390 CR CONSENT OF INSTR
1 01.00 MT THF WHAM 201 DALE RICHARD
2 INTERGOVT RELATICNS 03.0 CR
1 11.00 M W F TECH A 422 BAKER JOHN H
0 URBAN PLANNING 04.0 CR
PREREQ CONCENTRATION IN GEOGRAPHY OR
CONSENT
1 09.00 MTWTH AG 154 GAY
CROSS-LISTED WITH GECG 470
0 PACIFIC + FAR EAST 04.0 CR
PREREQ GSB 303 CR HIST 370
1 02.00 MTWTH WHAM 321 CHOU IKUA
-B HIST POL THEORY-MCD 04.0 CR
1 10.00 MTWTH CL 326 MORTON WARD M
B AMERICAN POL IDEAS 03.0 CR
1 11.00 MT TH CL 326 RIDGEWAY
C REC POLIT THEORY 03.0 CR
1 09.00-11.30 S CL 326 MORTON WARD M
JURIS-THEO OF LAW 04.0 CR
PREREQ GOVT 231
1 08.00 TWTHF 0875 102 ABBASS
POLITICAL BEHAVICR 03.0 CR
PREREQ GOVT 415 CR CONSENT OF INSTR
1 10.00 M W F WHAM 212 EVERSON DAVID H
SEM-INTERNAL REL 04.0 CR
PREREQ GOVT 370,472 CR 475 OR CONSENT
OF INSTRUCTOR
1 01.00-02.50 T TH WHAM 212 KLINGBERG
SEM INTERNAL ORG 04.0 CR
PREREQ GOVT 472 CR CONSENT OF INSTR
1 03.00-04.50 M W CL 326 ABBASS
SEM IN STATE GOVT 03.0 CR
PREREQ GOVT 466 CR CONSENT OF INSTR
1 01.00-03.30 TH CL 326 ISAKOFF JACK FEIN
SEM-COMPARATIVE GOV 04.0 CR
1 01.00-02.50 W F CL 326 MALLA
SEM PROB POL THEORY 03.0 CR
PREREQ GOVT 360 CR CONSENT OF INSTR
1 07.00-09.30 PM TH CL 326 PAINE JOANN
READINGS 01.0 TO 12.0 CR
PREREQ CONSENT CF INSTRUCTOR
1 TO BE ARRANGED JACOBINI
2 TO BE ARRANGED JACOBINI
SEM INTERNATION LAW 04.0 CR
PREREQ GOVT 475 CR CONSENT OF INSTR
1 09.00 MT THF CL 326 JACOBINI H B
INTERNSP PUB AFF 04.0 TO 12.0 CR
PREREQ CONSENT OF DEPARTMENT
1 TO BE ARRANGED SAPPENFIELD M M
SEM-CORRECT PRO MGT 04.0 CR
PREREQ CONSENT CF INSTRUCTOR
1 07.00-10.00 PM TH 0685 101 DREHER ROBERT H
INDIVIDUAL RESEARCH 02.0 TO 12.0 CR
PREREQ GOVT 499 CR CONSENT OF INSTR
1 TO BE ARRANGED
THESIS 02.0 TO 09.0 CR
PREREQ GOVT 499 CR CONSENT OF INSTRUC

TOR
1 TO BE ARRANGED JACOBINI
600 DISSERTATION 01.0 TO 48.0 CR
PREREQ MIN OF 36 HRS TO BE EARNED FOR DOC OF PHIL DEGREE
1 TO BE ARRANGED JACOBINI

Guidance and Educational Psychology (GUID)

305 EDUC PSYCHOLOGY 04.0 CR
PREREQ GSB 201C
1 08.00 TWTHF WHAM 105 BLUMENFELD GERA
2 12.00 MT THF WHAM 105 BLUMENFELD GERA
3 04.00 MTWTH WHAM 105 BLUMENFELD GERA
4 06.00-09.00 PM T WHAM 304 DEWEESE
RESTRICTED TO STUDENTSWITH PERMISSION OF DR DEWEESE
412 MENTAL HYGIENE 04.0 CR
PREREQ GUID 305
1 01.00-02.50 M W PARK 111 DEICHMAN
422A CONST-USE EVAL INST 04.0 CR
PREREQ GUID 305
1 10.00 MTWTH WHAM 228
2 01.00 MTWTH WHAM 328
3 06.00-09.00 PM M WHAM 228
4 06.00-09.00 PM T WHAM 112
442 BASIC PRIN OF GUID 04.0 CR
PREREQ GUID 305
1 06.00-09.00 PM W WHAM 228 DEWEESE HAROLD
481 SEMINAR 02.0 TO 12.0 CR
PREREQ GUID 305 AND CONSENT OF INSTRUCTOR + DEPT
1 TO BE ARRANGED
501 SPEC RESEARCH PROB 02.0 TO 12.0 CR
PREREQ ADVANCED STANDING + CONSENT OF DEPARTMENT
1 06.00 PM T TH WHAM 137
505 INTR TO STAT METH 04.0 CR
1 08.00 MTWTH WHAM 307 BEGGS
2 06.00-07.50 PM M W WHAM 328 BEGGS
506 ADV STATISTICAL MET 04.0 CR
PREREQ GUID 505
1 09.00-10.50 M W WHAM 317 BRACHT
507 DES + ANAL OF EXPER 04.0 CR
PREREQ GUID 506
1 08.00-09.50 M W WHAM 319 BEGGS
2 09.00-10.50 T TH WHAM 317 MOUW
3 01.00-02.50 M W WHAM 329 BRAHT
4 06.00-09.00 PM T WHAM 305 LINDSEY
511 ED IMPL OF LEARN TH 04.0 CR
PREREQ ADVANCED STANDING
1 04.00-05.50 T TH WHAM 328 WILLIAMS
515 PSY ASPECTS OF ED 04.0 CR
PREREQ ADVANCED STANDING
1 07.00-08.50 PM M W WHAM 317 WILLIAMS
521A ANAL-CLASSRM BEHAV 04.0 CR
PREREQ GUID 305
1 07.00-09.00 PM M W LAWSON 121 SULZER BETH W
530 STANDARDIZED TEST 04.0 CR
PREREQ GUID 505
1 10.00-11.50 T TH WHAM 319 BRADLEY RICHAR
531 THEORY OF MEASUREMT 04.0 CR
PREREQ GUID 505 OR CONSENT OF INSTR
1 01.00-02.50 T TH WHAM 317 MCNEIL KEITH
537A COUNSEL THEOR--PRAC 04.0 CR
PREREQ CONSENT OF DEPARTMENT
1 06.00-09.00 PM T WHAM 301A MEEK CLINTON
541 OCCUP INF + GUID 04.0 CR
PREREQ GUID 442
1 10.00-11.50 M F WHAM 319 BRADLEY
2 06.00-09.00 PM TH WHAM 206 RAMP
CROSSLISTED WITH TIEC 541
543 GUID THROUGH GROUPS 04.0 CR
PREREQ GUID 442

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  1    04.00-05.50      M W       WHAM     317  GRAF
5M SEM-PSYC FOUND - ED              04.0 CR
  1    10.00-11.50      M W       TECH A   122  CODY JOHN J
6B PERSONALITY ASSESS               04.0 CR
   PREREQ   GUID 546A
  1    TO BE ARRANGED                             DALY WILLIAM C
8A PRACT IN SEC GUID       02.0 TO 04.0 CR
   PREREQ   GUID 537 AND CONSENT OF INSTR
  1    TO BE ARRANGED                             AUSTIN
8C PRAC IN COUNSELING      04.0 TO 08.0 CR
   PREREQ   CONSENT OF INSTRUCTOR
  1    TO BE ARRANGED                             BRADLEY RICHARD W
  2    TO BE ARRANGED
  3    TO BE ARRANGED
8D PRAC IN SCHOOL PSYC     02.0 TO 08.0 CR
   PREREQ   CONSENT OF INSTRUCTOR
  1    TO BE ARRANGED                             AMBLE
8  ORG+AD OF GUID          02.0 TO 04.0 CR
   PREREQ   GUID 537
  1    04.00-05.50      T TH      WHAM     203  DEWEESE
2B HUM DEV IN ED-ADOL               04.0 CR
   PREREQ   MAY BE TAKEN IN A,B SEQUENCE
  1    04.00            T TH      WHAM     329  DEICHMANN
8  TOP SEM-COUN + GUID     02.0 TO 12.0 CR
   PREREQ   CONSENT OF INSTRUCTOR
  1    08.00-09.50          S     WHAM     312
       10.00-11.50        TH      WHAM     312
9  TOP SEM-STAT + MEAS     02.0 TO 12.0 CR
   PREREQ   INSTRUCTORS PERMISSION
  1    01.00-02.50      M W       WHAM     302  MCNEIL
   INTERN-COUNS + GUID     01.0 TO 12.0 CR
   PREREQ   GUID 548C
  1    TO BE ARRANGED                             YATES
*  SEM - BEHAV FOUNDAT                02.0 CR
   PREREQ   FORMAL ADMISSION TO DOCTOR OF
            PHIL STUDIES
  1    10.00-11.50      M         WHAM     301B MCKENZIE WILLIAM R
9  INDEP INVESTIGATION     02.0 TO 12.0 CR
   PREREQ   INSTRUCTORS PERMISSION
  1    TO BE ARRANGED
   INDEPENDENT STUDY       01.0 TO 12.0 CR
   PREREQ   CONSENT OF DEPARTMENT
  1    TO BE ARRANGED
   THESIS                  03.0 TO 09.0 CR
  1    TO BE ARRANGED
   DISSERTATION            01.0 TO 48.0 CR
  1    TO BE ARRANGED
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lth Education (H ED)

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   H ED CONCEPTS ADV                  04.0 CR
    PREREQ
  1    09.00            MTWTH     ARENA    121  VINCENT RAYMOND J
CS DRIVER-TRAFF SAFETY              04.0 CR
   PREREQ   A VALID DRIVERS LICENSE
  1    08.00            MT THF    L-APS    135
   PRIN-FOUND H ED                  04.0 CR
  1    10.00            MTWTH     ARENA    119  RUSSELL ROBERT D
1S INTRO SAFETY EDUC                04.0 CR
   PREREQ
  1    06.30-09.00 PM     W       L-APS    135  RITZEL DALE O
2S METH MAT SAFETY EDU              04.0 CR
   PREREQ
  1    01.00            MTWTH     L-APS    135  RITZEL DALE O
2  COMM HEALTH PROB                 03.0 CR
   PREREQ
  1    11.00            M WTH     PHY SA   278
3S FIRST AID                        04.0 CR
   PREREQ
  1    11.00            M WTHF    ARENA    119  LINDAUER LARRY
  2    12.00            M WTHF    ARENA    119  HARRIS EILEEN M
  3    05.45-07.25      M W       ARENA    119
  4    05.45-07.25        T TH    ARENA    119  SMELSER JAMES ALLEN
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350 METH MAT SCH HEALT 04.0 CR
PREREQ .
1 02.00 TWTHF ARENA 119 PHILLIPS FRANCE
356 PUBLIC HEALTH II 05.0 CR
PREREQ .
1 TO BE ARRANGED RICHARDSON CHAR
400 HEALT APP SCH CHILD 04.0 CR
PREREQ NOT OPEN TO STUDENTS WHO HAVE HAD 450
1 06.30-09.00 PM W ARENA 123 LEFEVRE JOHN R
401 DIS PREVENT + CONTR 03.0 CR
1 06.30-09.00 PM W ARENA 121 MILLER
442S DRIV + TRAF SAFE ED 04.0 CR
PREREQ HED 302S
1 08.00 MTWTH L-APS 133 RITZEL DALE O
443S DRIV + TRAF SAFE ED 04.0 CR
PREREQ HED 442S
1 04.00-06.30 MT L-APS 135
460 SCH HEALTH PROGRAMS 04.0 CR
PREREQ .
1 09.00 MTWTH ARENA 123 VAUGHAN ANDREW
475S TRAFFIC LAW ENFORCE 04.0 CR
PREREQ H ED 433S OR CONSENT OF INSTRUCTOR
1 06.30-09.00 PM W TECH A 122
485 INTERNATIONAL HEATH 04.0 CR
1 11.00 MTWTH TECH A 120 RUSSELL ROBERT
490 FLD WK SCH COMM HEA 02.0 TO 08.0 CR
PREREQ RESTRICTED TO MAJORS IN DEPT
1 TO BE ARRANGED RICHARDSON CHARS
520 SPEC PROJ-HED + SAF 04.0 TO 06.0 CR
1 TO BE ARRANGED BOYDSTON DONALD
526 EVAL IN HED + SAFE 04.0 CR
1 06.30-09.00 PM T ARENA 121 CASEY LESLIE R
530S PROB RES ACCID PREV 04.0 CR
PREREQ H ED 443S, 525S OR CONSENT OF INSTRUCTOR
1 06.30-09.00 PM TH ARENA 123
533C HUMAN CONSERVATION 04.0 CR
PREREQ H ED 533A,B
1 06.30-09.00 PM TH ARENA 121 RICHARDSON CHAS
590 FIELD INTERNSHIP 04.0 TO 12.0 CR
1 TO BE ARRANGED GRISSOM DEWARD
597A SEM IN HED + SAFETY 01.0 CR
1 TO BE ARRANGED BOYDSTON DONALD
597B SEM IN HED + SAFETY 01.0 CR
1 TO BE ARRANGED BOYDSTON DONALD
597C SEM IN HED + SAFETY 01.0 CR
1 TO BE ARRANGED BOYDSTON DONALD
599 THESIS 03.0 TO 09.0 CR
1 TO BE ARRANGED BOYDSTON DONALD
600 DISSERTATION 01.0 TO 48.0 CR
PREREQ MUST MEET MINIMUM REQ OF 36HRS FOR PH D DEGREE
1 TO BE ARRANGED BOYDSTON DONALD

Higher Education (HIED)

402 PRIN COL STU PERSON 02.0 CR
1 06.30-08.00 PM W WHAM 302 SPEES
510 HIGHER EDUC IN U S 04.0 CR
1 TO BE ARRANGED
51o COL STUDENT-CULTURE 04.0 CR
1 10.00-11.50 T TH WHAM 329
522 READINGS 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
2 TO BE ARRANGED
3 TO BE ARRANGED
523A INTERN-COLL TEACH 01.0 TO 12.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED HILL
523B INTERN-STUDENT PERS 01.0 TO 12.0 CR

PREREQ CONSENT OF DEPT
1 TO BE ARRANGED TOLLE
3C INTERN-COLLEGE ADM 01.0 TO 12.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED MOORE MALVIN JR
3D INTERNSHIP 01.0 TO 12.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
4 INDIVIDUAL STUDY 02.0 TO 06.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
2 TO BE ARRANGED
3 TO BE ARRANGED
5G ACAD + FACT ADMIN 02.0 CR
1 01.00-02.50 F WHAM 317 MOORE MALVIN JR
5I JR COLLEGE ADMIN 02.0 CR
1 04.00-05.50 W WHAM 137 TOLLE DONALD J
5K ADULT + CONTIN EDUC 02.0 CR
1 09.00-10.50 M PHY SA 156 HAWLEY
5R SEMINAR-SOCIOLOGY 03.0 CR
1 09.00 W F WHAM 329 HAWLEY
5V FED GOV + HI ED 03.0 CR
1 03.00-05.30 M WHAM 301A ROBINSON
5 PHILOSOPHY OF HI ED 04.0 CR
1 06.30-09.15 PM T WHAM 328 MOORE
5 COMMUNIT-JR COLLEGE 04.0 CR
1 04.00 T TH LAWSON 231 TOLLE DONALD J
5 ECON ASPECT OF HIED 04.0 CR
1 06.30-09.15 PM TH WHAM 328 KING JOHN E
5 ADVANCED RESEARCH 04.0 TO 08.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
5 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED
5 DISSERTATION 01.0 TO 48.0 CR
PREREQ MINIMUM OF 36 HRS TO BE EARNED
FOR DOCTOR OF PHIL
1 TO BE AR ANGED

History (HIST)

3 GREAT DEPRESSION-US 03.0 CR
PREREQ GSB 211A OR ECON 214 + 215 OR
CONSENT OF INSTRUCTOR
1 11.00 MT TH 0862 102 CONRAD
3C ANC WORLD-ROME 03.0 CR
1 04.00 M WTH PARK 111 BRHM
3 ENG HIST-SINCE 1815 04.0 CR
1 11.00 M LAWSON 101 CHERRY
11.00 T THF LAWSON 221
13 REVOLUTION + CONST 03.0 CR
1 01.00 M WTH 0720 107 AMMON
13 MEDIEVAL HISTORY 03.0 CR
1 02.00 M WTH 0720 108 BREHM DONALD L
13 EUR HIST-18+19 CENT 03.0 CR
1 03.00 T THF 0720 106 ZUCKER
3 EUR HIST-20TH CENT 03.0 CR
1 09.00 M 0720 106 MCFARLIN
09.00 T TH 0720 105
4 INDEPENDENT AFRICA 03.0 CR
1 02.00 T THF LAWSON 101 BERBERICH CHARLES
5 LATIN AMER-INDEPEND 03.0 CR
1 01.00 MT TH 0720 108 GOLD
9 HISTORY HONORS 03.0 CR
PREREQ CONSENT OF DEPARTMENT
1 10.00 MT TH 0871 101 VYVERBERG
2 10.00 MT TH 0871 102 BATINSKI
0 HIST OF SOUTH 03.0 CR
1 01.00 M WTH 0720 104 MURPHY
0 U.S. HIST 1850-1896 03.0 CR
PREREQ GSB 300B OR CONSENT OF INSTR
1 10.00 M W F 0720 107 SIMON
0 US CONSTITUT HIST 03.0 CR

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    1    09.00            T TH     AG       168  CARROTT
         09.00                F    LS I     323
410  SPECIAL READINGS        02.0 TO 05.0 CR
    1    TO BE ARRANGED
411C U S SOC-INT-1900 CN             03.0 CR
    1    11.00          M W  F    0720     107  ADAMS GEORGE W
414C INTELLECTUAL-EUROPE             03.0 CR
    1    12.00          MT TH     0720     105  VYVERBERG
416A MOD EUR RENAISSANCE             03.0 CR
    1    11.00          M WTH     0720     108  MUELLER
417C ADV ENG HIST                    03.0 CR
    1    09.00          M W  F    0720     107  CHERRY GEORGE
420  FRENCH REVOLUTION               03.0 CR
    1    01.00          M W  F    0720     105  HALL THADD E
434C SOC+POL EUR-1914                03.0 CR
    1    01.00           T TH     0720     102  ZUCKER STANLEY
         01.00                F    UNIT 4   101
440C AMER DIPL 1920-PRES             03.0 CR
    1    02.00          MT TH     0720     107  WARRENR
442C THE WEST-TRANS MISS             03.0 CR
    1    01.00          M W  F    WHAM     302  CLIFFORD JOHN
448B HIST OF S.EAST ASIA             03.0 CR
    1    02.00          M W  F    0720     105  HENDERSHO
449B ADV AFRICAN HISTORY             03.0 CR
      PREREQ   HIST 449A CR CONSENT OF INSTR
    1    12.00           T THF    0720     106  BERBERICH
452  RESEARCH + THESIS               03.0 CR
    1    02.00          M WTH     0720     104  MURPHY
464A HISTORY OF GERMANY              03.0 CR
    1    09.00          M W       PULL      39  DETWILER
         09.00                F    WHAM     208
476  ANDEAN S AMER                   03.0 CR
      PREREQ   6 HRS OF 300 LEVEL SOC SCI OR
               CONSENT OF DEPARTMENT
    1    11.00          M W  F    0720     106  WERLICHR
477  BRAZIL SINCE INDEP              03.0 CR
      PREREQ   6 HRS OF 300 LEVEL SOC SCI OR
               CONSENT OF DEPARTMENT
    1    10.00          M W  F    0720     103  GARDINER
500A SEMINAR-AMER HIST       04.0 TO 10.0 CR
    1    03.00-04.40    M W       0720     103  ADAMS GEORGE W
509  STUDIES-NEGRO HIST              03.0 CR
    1    01.00-02.50     T        0720     106  FLADELAND
         01.00             TH     UNIT 6   101
510  READING IN HISTORY      02.0 TO 12.0 CR
      PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
511  STUDIES IN MID AGES             03.0 CR
    1    09.00-11.50        TH     0720     106  SHELBY
516B SEM IN EUROP HIST       03.0 TO 06.0 CR
      PREREQ   PERMISSION OF INSTRUCTOR
    1    09.00-10.50        W  F   0720     106  HALL
519B AGE OF JEFFERSON                03.0 CR
    1    02.00-04.50        W      0720     106  AMMON
520B SEC AND REF                     03.0 CR
    1    01.00-03.50    M          0720     106  FLADELAND
575B STUDIES-LATIN AMER              03.0 CR
    1    09.00-11.50     T         0720     106  GOLD
599  THESIS                  01.0 TO 09.0 CR
    1    TO BE ARRANGED
600  DISSERTATION            01.0 TO 48.0 CR
    1    TO BE ARRANGED
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Home and Family (H & F)

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227  FAMILY LIVING                   03.0 CR
    1    09.00           T TH     H EC     140B
         09.00          M         H EC     120
    2    09.00           T TH     H EC     140B
         09.00            W       H EC     120
    3    09.00           T TH     H EC     140B
         09.00              F     H EC     120
    4    09.00           T TH     H EC     140B
         09.00                S   H EC     120
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  5    06.00-07.25 PM  M W       H EC    203
37 CHILD DEVELOPMENT                03.0 CR
  1    02.00           MT TH     H EC    140B ZUNICH MICHAEL
0  HOME EC FOR MEN                  03.0 CR
  1    11.00           M W       H EC    140B HEISLER ARLENE
       11.00               F     H EC    120  HEISLER ARLENE
  2    11.00           M W       H EC    140B HEISLER ARLENE
       11.00             TH      H EC    120  HEISLER ARLENE
  3    11.00           M W       H EC    140B HEISLER ARLENE
       11.00            T        H EC    120  HEISLER ARLENE
  4    11.00           M W       H EC    140B HEISLER ARLENE
       12.00             TH      H EC    203  HEISLER ARLENE
  5    06.00-07.25 PM   T TH     H EC    203  HEISLER ARLENE
1  H ARTS + SOC USAGE               03.0 CR
  1    11.00           M W  F    H EC      5  CRAIG
  2    02.00           MT TH     H EC      5  HEISLER ARLENE
3  HOUSING                          02.0 CR
  1    08.00            T        H EC    140B AGAN
       08.00-09.50       W       H EC      5
  2    08.00            T        H EC    140B AGAN
       08.00-09.50         TH     H EC      5
  3    08.00            T        H EC    140B AGAN
       08.00-09.50            S   H EC      5
4  EQUIPMENT                        03.0 CR
  1    10.00           M W       H EC      5  MALONE THELMA JEAN
       09.00-10.50         F     H EC      5
  2    10.00           M W       H EC      5  MALONE THELMA JEAN
       10.00-11.50       TH      H EC      5  MALONE THELMA JEAN
  3    03.00            T TH     H EC      5  MALONE THELMA JEAN
       03.00-04.50         F     H EC      5  MALONE THELMA JEAN
  4    03.00            T TH     H EC      5  MALONE THELMA JEAN
       03.00-04.50       W       H EC      5  MALONE THELMA JEAN
32 HOME MGT RESIDENCE               04.0 CR
   PREREQ   H+F 227,331
  1    TO BE ARRANGED                          MALONE THELMA JEAN
3  ADVANCED CHILD DEV               03.0 CR
  1    08.00           M W  F    H EC    120  ZUNICH MICHAEL
3  CONSUMER PROBLEMS                04.0 CR
  1    01.00           MTW       H EC    140B TROELSTRU
       01.00             TH      H EC    203  CRAIG KAREN E
  2    01.00           MTW       H EC    140B TROELSTRU
       12.00             TH      H C     202
38 CHILD DEV PRACTICUM              03.0 CR
  1    04.00            T        H EC    120  PONTON MELVA F
  ADDITIONAL HOURS TBA
  ADV FAMILY HOUSING                04.0 CR
   PREREQ   H+F 323
  1    06.00-09.00 PM   T        H EC      5  AGAN
  SEL USE + CARE APPL               04.0 CR
   PREREQ   324 OR CONSENT OF INSTRUCTOR
  1    06.30-09.00 PM  M         H EC      5  JOHNSTON BETTY JANE
  FIELD EXPERIENCE       02.0 TO 06.0 CR
   PREREQ   CONSENT OF DEPARTMENTAL CHAIRM
            AN
  1    TO BE ARRANGED
4  READINGS                02.0 TO 06.0 CR
   PREREQ   CONSENT OF INSTRUCTOR AND CHAI
            RMAN
  1    TO BE ARRANGED
5  INTERPER REL IN FAM                04.0 CR
   PREREQ   227 OR GSB 341, 237, AND 331
  1    06.30-09.00 PM      TH    H EC    120
5  SPECIAL PROBLEMS       02.0 TO 08.0 CR
  1    TO BE ARRANGED
5  THESIS                 02.0 TO 09.0 CR
  1    TO BE ARRANGED
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Home Economics (H EC)

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3  SPEC PROB--HONORS      02.0 TO 08.0 CR
  1    TO BE ARRANGED
3  RES + INVESTIGATION    02.0 TO 08.0 CR
  1    TO BE ARRANGED
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Home Economics Education (HEED)

306 SEMINAR READINGS 02.0 CR
1 04.00 T TH H EC 203 KEENAN DOROTHY M
309B METHODS OF TEACHING 03.0 CR
PREREQ 309A
1 09.00 M W F H EC 133
310 EVAL AND ADULT EDUC 04.0 CR
PREREQ 309 AND S ED 352 CONCURRENTLY
1 TO BE ARRANGED
313 SPECIAL PROBLEMS 02.0 TO 04.0 CR
PREREQ
1 TO BE ARRANGED
481 READINGS 02.0 TO 06.0 CR
PREREQ CONSENT OF INSTR AND CHAIRMAN OF DEPARTMENT
1 TO BE ARRANGED
505 H EC IN SEC SCHOOLS 04.0 CR
1 06.30-09.00 PM TH H EC 122A
510A PRACTICUM IN SUPERV 01.0 TO 04.0 CR
PREREQ 510 OR EDAF 456 OR CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
516 ADV METHODS IN H EC 04.0 CR
1 06.30-09.00 PM W H EC 122A KEENAN DOROTHY I
525 INTER VOC COOP ED 03.0 CR
PREREQ STUDENT TEACHING
1 09.00-11.30 S TECH D 130
CROSSLISTED WITH AG I AND TIED
571 RECENT RESEARCH 04.0 CR
1 06.00-08.30 PM T H EC 133
572 SPECIAL PROBLEMS 02.0 TO 08.0 CR
1 TO BE ARRANGED
573 SEM-RES IN HOME EC 01.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 03.00 F H EC 133
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED
600 DISSERTATION 03.0 TO 48.0 CR
1 TO BE ARRANGED

Industrial Technology (I T)

100 ORIENTATION 02.0 CR
1 01.00 M W TECH A 111
300A PLASTIC PROCESS 04.0 CR
PREREQ GSA 101B
1 06.00-08.50 PM W TECH A 111
08.00-09.50 T TECH D 14B
2 06.00-08.50 PM W TECH A 111
10.00-11.50 TH TECH D 14B
3 06.00-08.50 PM W TECH A 111
01.00-02.50 T TECH D 14B
4 06.00-08.50 PM W TECH A 111
03.00-04.50 F TECH D 14B
304C ARCHITECTURAL DES 03.0 CR
PREREQ 304B
1 06.00-07.50 PM M W TECH A 219
305C DESIGN ILLUSTRATION 03.0 CR
PREREQ I T 305A OR 305B
1 08.00 M W TECH A 307
08.00-09.50 TH TECH A 307
306C INDUSTRIAL DESIGN 03.0 CR
PREREQ I T 306B
1 08.00 T F TECH A 307
10.00-11.50 S TECH A 307
307 ANAL PROB IN TECH 05.0 CR
PREREQ MATH 111A, B
1 10.00 MTWTHF TECH A 408
318 MATERIALS JOINING 03.0 CR
1 11.00 M W TECH A 111
08.00-09.50 TH TECH D 14B
2 11.00 M W TECH A 111
01.00-02.50 M TECH D 14B
3 11.00 M W TECH A 111

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        08.00-09.50       M          TECH D   14B
    4   11.00             M W        TECH A   111
        06.00-07.50 PM     T         TECH D   14B
319   INDUSTRIAL INTERN                03.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1   TO BE ARRANGED
330   METAL FORMING PROC               03.0 CR
       PREREQ   MATH 111A
    1   03.00             M W        TECH A   111
        03.00-04.50        T         TECH D   14B
    2   03.00             M W        TECH A   111
        10.00-11.50        T         TECH D   14B
    3   03.00             M W        TECH A   111
        06.00-07.50 PM       TH      TECH D   14B
    4   03.00             M W        TECH A   111
        10.00-11.50       M          TECH D   14B
340   AUTO PROCESS CONTR               03.0 CR
       PREREQ   IT 325A + ET 102A
    1   08.00              T TH      TECH A   208
        10.00-11.50            F     TECH D   14B
    2   08.00              T TH      TECH A   208
        01.00-02.50          TH      TECH D   14B
43A   ELECT ELECTRONICS                03.0 CR
    1   02.00              T TH      TECH A   408
        11.00-12.50          TH      TECH D   106
    2   02.00              T TH      TECH A   408
        03.00-04.50          TH      TECH D   106
58B   PLANT LAYOUT                     03.0 CR
    1   08.00             M W        TECH A   408
65    QUALITY CONTROL                  04.0 CR
       PREREQ   JUNIOR STANDING
    1   11.00             MT THF     TECH A   408
75    PROD+INVENT CONTROL              04.0 CR
       PREREQ   JUNIOR STANDING
    1   12.00             MT THF     TECH A   208
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Instructional Materials (I M)

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008   INTRO TO CATALOGING              04.0 CR
    1   10.00             MTWTH      PULL     310  MATTHEWS ELIZABETH W
    2   11.00             MTWTH      PULL     310  MATTHEWS ELIZABETH W
100   LIB RES METHODS                  02.0 CR
    1   01.00             M W        PULL     320  DALE
103   SCH LIB FUN MGT                  04.0 CR
    1   10.00             MTWTH      PULL     320  FLETCHER
105   LIB MAT FOR CHILD                04.0 CR
       PREREQ   OPEN TO JUNIORS WITH CONSENT
                OF INSTRUCTOR
    1   11.00             MTWTH      PULL     320  FLETCHER KATHLEEN G
106   ADOL LIB MATERIALS               04.0 CR
       PREREQ   OPEN TO JUNIORS WITH CONSENT
                OF INSTRUCTOR
    1   08.00             MTWTH      PULL     320  FLETCHER KATHLEEN G
107   BASIC REF SOURCES                04.0 CR
    1   03.00             MTWTH      PULL     310  COX DOROTHY J
113   CAT OF NON-BOOK MAT              04.0 CR
       PREREQ   308
    1   05.45-07.25        T TH      PULL     310  COX DOROTHY J
117   A-V METH IN EDUC                 04.0 CR
    1   08.00             MTWTH      PULL     316  PLANINC CARL
    2   09.00             MTWTH      PULL     316
    3   09.00-11.30              S   PULL     316  MOORE
    4   10.00             MTWTH      LAWSON   121  EDWARDS
    5   10.00             MTWTH      PULL     316
    6   11.00             MTWTH      PULL     316  PLANINC
    7   12.00             MTWTH      PULL     316
    8   01.00             MTWTH      PULL     316  INGLI
    9   02.00             MTWTH      PULL     316  INGLI
   10   03.00             MTWTH      PULL     316  EDWARDS
   11   04.00             MTWTH      PULL     316
   12   05.45-07.25        T TH      PULL     316
   13   05.45-07.25       M W        PULL     316
   14   07.35-09.15 PM     T TH      PULL     316
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445   PREP TEACH-MADE MAT                  04.0 CR
       PREREQ   417 CR CONSENT OF INSTRUCTOR
    1    01.00-02.50      MTWTH    PULL     305  EDWARDS SETH J
448   ADMIN OF A-V PROG                    04.0 CR
       PREREQ   417 CR CONSENT OF INSTRUCTOR
    1    09.00            MTWTH    PULL     320  INGLI
458   MED OF MOTION PICT                   04.0 CR
    1    06.30-09.00 PM     W      PULL     320  WENDT PAUL R
505   LIT OF HUMANITIES                    03.0 CR
       PREREQ   I M 407
    1    02.00            MTW      PULL     320  DALE
510   MASS COMM IN EDUC                    04.0 CR
    1    06.30-09.00 PM     W      PULL     310  BUTTS
514   SUR-RES + DEV IN IM                  04.0 CR
       PREREQ   405, 406, 417 CR CONSENT OF
                INSTRUCTOR
    1    06.30-09.00 PM   M        PULL     320
560   SEMINAR IN IM                        04.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    07.35-09.00 PM    T TH    PULL     320
576   PROB INST MAT              02.0 TO 08.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
599   THESIS                     05.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DISSERTATION               01.0 TO 48.0 CR
    1    TO BE ARRANGED                       WENDT
      CROSS-LISTED WITH R-T 310
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Journalism (JRNL)

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101   INTRO TO JOURN I                     03.0 CR
    1    08.00            M W  F   LAWSON   231  CLAYTON CHARLES
102   INTRO TO JOURN II                    03.0 CR
    1    11.00            M W  F   LAWSON   201  CLAYTON CHARLES
203   THE NEWS                             03.0 CR
       PREREQ   101,102,CR 345,346
    1    08.00-09.50      M        0869     101
         08.00              W  F   0869     101
      RESTRICTED TO DEPARTMENT CONSENT
    2    09.00            T TH     0834     101
         06.00-07.50 PM     W      0834     101
    3    11.00            T TH     0834     101  MATHESON JOHN M
         10.00-11.50          F    0834     101
    4    01.00            M W      0869     107  MATHESON JOHN M
         01.00-02.50          F    0869     107
301   NEWSWRIT EDIT I                      03.0 CR
       PREREQ   203
    1    08.00              TH     WHAM     302  GROTTA GERALD L
    2    08.00            T        WHAM     302  GROTTA GERALD L
    3    08.00            T        WHAM     302
    4    08.00            T        WHAM     302
      ADDITIONAL HRS TBA FOR ALL SECTIONS
302   NEWSWRIT EDIT II                     03.0 CR
       PREREQ   203
    1    10.00            MTWTH    0869     101
    2    02.00            M W      0869     101
         03.00              T TH   0869     101
303   NEWS + EDIT III                      03.0 CR
       PREREQ   301 AND 302
    1    11.00            T        0834     101  GRANATO
    2    11.00              TH     0869     107  GRANTOO
      ADDITIONAL HRS TBA FOR ALL SECTIONS
310   RADIO TV NEWS                        03.0 CR
       PREREQ   JRNL 103, 201, 202 AND 303
    1    01.00            M W  F   COMM    1016  CUGAS PAUL JOSE
330   EDITORIAL WRITING                    03.0 CR
       PREREQ   303
    1    10.00            MT TH    0834     101  LAWHORNE CLIFTO
370   PRIN OF ADVERTISING                  03.0 CR
       PREREQ   101, 102, CR 345, 346
    1    09.00            M    F   TECH A   111  ROCHE BRUCE
         09.00              W      AG       166
371   ADVERTISING SALES                    03.0 CR
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PREREQ 370

1 03.00 M W F 0869 101

372 AD COPY LAYOUT PROD 05.0 CR

PREREQ 370

1 04.00 M W F TECH A 422 ROCHE BRUCE

03.00-04.50 T TH TECH A 422 ROCHE BRUCE

374 ADV POL AND PRCBS 03.0 CR

PREREQ CONSENT CF DEPARTMENT

1 11.00 M W F PHY SA 156

2 01.00 M W F AG 220

376 ADVER CAMPAIGNS 04.0 CR

PREREQ CONSENT CF DEPARTMENT

1 01.00 TH AG 220

ADDITIONAL HRS TBA

383A NP PROD MANAGEMENT 03.0 CR

PREREQ 203

1 09.00 M W F 0834 101 BROWN

2 12.00 M W F 0869 101

383B NP PROD MANAGEMENT 03.0 CR

PREREQ 383A

1 08.00 M W F 0834 101 BROWN GEORGE CURTIS

2 12.00 M W F 0834 101 LAWHCRNE CLIFTON O

385 RADIO-TV SPEC EVENT 01.0 TO 04.0 CR

PREREQ R-T 310

1 11.00 T COMM 1046 CUGAS PAUL JOSEPH

CROSS-LISTED WITH R-T 385

390 ADVANCED REPORTING 03.0 CR

PREREQ 303

1 09.00 T TH 0869 101

06.00 PM M 0869 101 STARCK KENNETH

391 FEATURE WRITING 03.0 CR

PREREQ 303

1 02.00 T TH S 0869 101 STARCK KENNETH

393 PUBLICITY METHODS 03.0 CR

PREREQ NOT OPEN TC JRNL MAJORS

1 09.00 T TH S AG 218 CLAYTON CHARLES C

395 INTR-MASS COMM THEC 03.0 CR

PREREQ SENICR STANDING

1 01.00 M W F PHY SA 156 ATWCOD

397 SPECIAL PUBLICATICN 03.0 CR

PREREQ 369

1 12.00 M W F AG 218 FORD

399 SENIOR SEMINAR 01.0 CR

PREREQ LAST QUARTER JRNL MAJORS

1 01.00 T AG 116 FRAZER MARY KING

401 INTERNATIONAL JRNL 03.0 CR

PREREQ SENIOR STANDING

1 10.00 M W F PULL 43 STARCK KENNETH

411 SCHOOL PUBLICATIONS 04.0 CR

1 01.00 M THF WHAM 312

01.00 W WHAM 301A

421 PUBLIC RELATIONS 03.0 CR

PREREQ SR STANDING-JRNL MAJORS ONLY

1 01.00 M W F AG 218

438 RESEARCH METHODS 03.0 CR

PREREQ 432 OR CONSENT CF INSTRUCTOR

1 11.00 M AG 188 RUCKER BRYCE W

03.00-04.50 TH AG 220

442 LAW OF JOURNALISM 03.0 CR

PREREQ SENIOR STANDING, JRNLMAJORS ONLY

1 09.00 M W F TECH A 420

499 PRACTICUM 02.0 TO 08.0 CR

PREREQ CONSENT CF DEPARTMENT

1 TO BE ARRANGED LONG

553 RESEARCH PROB-JRNL 01.0 TO 04.0 CR

1 TO BE ARRANGED RUCKER BRYCE W

550 PHIL OF JOURNALISM 03.0 CR

1 08.00-09.50 TH H EC 211 MOORE WILLIS

555 STUDIES IN JRNL HIS 03.0 CR

1 03.00-04.50 M W AG 220 HART JIM ALLEE

556 GRADUATE SEMINAR 00.0 CR

1 TO BE ARRANGED RUCKER BRYCE W

599 THESIS 01.0 TO 08.0 CR
1 TO BE ARRANGED RUCKER BRYCE W
600 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED RUCKER BRYCE W

Management (MGT)

170 INTR TO BUS ADMIN 04.0 CR
PREREQ FRESHMEN AND SOPHOMORES ONLY
1 11.00 M PHY SC 218 BEDWELL
11.00 TWTHF AG 166
271 BUSINESS WRITING 04.0 CR
PREREQ GSD 101
1 01.00 MTWTH 0720 103
301 MGT + SUPERVISION 04.0 CR
PREREQ GSB 201C OR EQUIVALENT, OR PER MISSION OF INSTRUCTOR
1 02.00 M CL 109 WESTBERG
02.00 T THF CL 24
340 BUS-ORG AND MGT 04.0 CR
PREREQ GSB 201B AND C, OR EQUIVALENT-JR STANDING OR CONSENT
1 08.00 MTWTHF LS I 133 MADDEN
2 02.00 MTWTHF LS I 133 MADDEN
345 INF SYST-COMP FUNC 04.0 CR
PREREQ ACCT 261, MGT 340 OR FIN 320 OR MKT 301, OR CONSENT
1 03.00-04.50 T TH TECH A 410
361 RESEARCH IN BUS ADM 04.0 CR
PREREQ MGT 340, GSD 102, 103, GSD 110 OR EQUIV OR CONSENT
1 08.00-09.50 T TH CL 24 BATEMAN
2 11.00-12.50 T TH 0861 102 LIPP
3 03.00-04.50 M W F AG 150 BATEMAN
380 PRODUCTION MGT 04.0 CR
PREREQ MGT 340,345, MATH 150A OR EQUIV. OR CONSENT
1 09.00-10.50 T TH 0861 102 LAUGHHUNN
2 12.00-01.50 T TH WHAM 302 LAUGHHUNN
382 PERF STAND+METH IMP 04.0 CR
PREREQ MGT 340 OR CONSENT OF INSTRUCTOR
1 09.00-10.50 M 0861 102 VICARS
09.00-10.50 F LAWSON 201
385 PERSONNEL MGT 04.0 CR
PREREQ MGT 340, GSD 110 OR EQUIVALENT, OR CONSENT OF INSTR
1 10.00-11.50 W LAWSON 131 BISHOP
10.00-11.50 F LAWSON 101
2 12.00-01.50 M F 0861 102 VIARS
431 ORGANIZ BEHAVIOR II 04.0 CR
PREREQ MGT 340, 430 OR CONSENT OF INSTRUCTOR
1 03.00-04.50 M W PARK 309 HOLLINGSWORTH
440 THE MGT PROCESS 04.0 CR
PREREQ MBA STUDENT
1 12.00 W CL 25 HUNT
440 ALSO MTS ON MTTHF WITH EITHER SEC MGT 340
452 BUS OPERATIONS ANAL 04.0 CR
PREREQ MGT 340, 451 OR MATH 150 OR GSD 110,EQUIV.OR CONS.
1 03.00-04.50 T TH CL 24 MADDEN
479 PROBS BUS AND ECON 04.0 CR
PREREQ 340, ECON 215, 308 OR 408 OR EQUIV, MKTG 301 OR EQUI
1 08.00-09.50 M F CL 24 SANDERS
2 11.00-12.50 M AG 224 SANDERS
11.00-12.50 F CL 109
3 03.00-04.50 M F AG 224
480 REC PROB-LABOR LAW 04.0 CR
PREREQ FIN 371 OR ECON 310 OR GOVT 395,OR CONSENT OF INST
1 09.00-10.50 W TECH A 320 WATERS

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      09.00-10.50          F    CL       109
481   ADMINISTRATIVE PCL                 04.0 CR
       PREREQ   MGT 340, FIN 320, MKTG 301 OR
                EQUIV, + SR STANDING
   1    08.00-09.50      M W      CL       109  SHERMAN
   2    08.00-09.50       T TH    CL       109  DEHOFF
   3    10.00-11.50       T TH    CL       109  BUSSOM
   4    10.00-11.50      M        AG       166  HUNT
        10.00-11.50        W      WHAM     319
   5    12.00-01.50      M W      CL       109  SHERMAN
   6    12.00-01.50       T TH    CL       109  DEHOFF
   7    03.00-04.50       T TH    AG       188  LIPP
   8    03.00-04.50        W  F   WHAM     305  HOLLINGWORTH
485   PROBS PERS MGT                     04.0 CR
       PREREQ   MGT 385, ECON 308 OR 408, MGT
                361
   1    01.00-02.50        W  F   FELTS    130  BISHOP RONALD C
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Marketing (MKTG)

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301   MKTG FUNDAMENTALS                  04.0 CR
       PREREQ   ECON 214, ACCT 251A
   1    11.00            MTWTH    LAWSON   151
   2    03.00            MTWTH    LAWSON   221
335   INTERNATIONAL MKTG                 04.0 CR
       PREREQ   MKTG 301
   1    11.00-12.50       T TH    H EC     208
341   TRANSPORTATION                     04.0 CR
       PREREQ   MKTG 301, ECON 215
   1    08.00            TWTHF    LAWSON   221
   2    09.00            TWTHF    AG       216
363   PROMOTIONAL CONCEPT                04.0 CR
       PREREQ   MKTG 301
   1    09.00            M        AG       216
        09.00             T TH    WHAM     206
        09.00              W      CL        24
   2    01.00            MTWTH    TECH A   420
   3    02.00            MTWTH    TECH A   420
390   MKTG RES + ANAL                    04.0 CR
       PREREQ   MKTG 301, ONE COURSE IN
                STATISTICS
   1    10.00             TW  F   COMM    1022
        10.00               TH    WHAM     328
   2    01.00             T TH    AG       148
        01.00              W  F   TECH D   131
   3    04.00            MTWTH    WHAM     206
401   PROB IN RETAILING                  04.0 CR
       PREREQ   MKTG 363
   1    03.00            MTWTH    AG       144
438   SALES MANAGEMENT                   04.0 CR
       PREREQ   MKTG 363
   1    02.00-03.50      M W      CL        24
439   IND MARKETING MGMT                 04.0 CR
       PREREQ   MKTG 363
   1    01.00            M W      AG       224
        01.00             T TH    WHAM     203
452   PHYSICAL DIST MGT                  04.0 CR
       PREREQ   MKTG 301, ECON 215
   1    11.00             TW  F   AG       188
        11.00               TH    0720     101
   2    02.00            TWTHF    AG       188
463   ADVERTISING MANAG                  04.0 CR
       PREREQ   MKTG 363, MKTG 390
   1    10.00-11.50      M W      CL       109
   2    03.00-04.50       T TH    CL       109
473   MARKETING POLICIES                 04.0 CR
       PREREQ   ACCT 261, MKTG 363, 390, PLUS
                4HRS IN MKTG, SENIOR
   1    10.00-11.50       T TH    PHY SA   458
   2    01.00-02.50       T TH    WHAM     305
   3    01.00-02.50       T TH    PHY SA   258
   4    03.00-04.50      M W      WHAM     201
499   UNDERGRAD SEM-MKTG                 04.0 CR
       PREREQ   BY INVITATION - 16 HOURS OF MK
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		TG			
1	03.00-04.50		T TH	PHY SA	258

Mathematics (MATH)

111A COL ALGEBRA TRIG 05.0 CR

PREREQ GSD 106 CR HS EQUIV

1	08.00	MT THFS	TECH A	410
2	08.00	MTWTHF	PHY SA	160
3	09.00	TWTHFS	PHY SC	118
4	09.00	MTWTHF	PHY SA	160
5	10.00	MT THFS	TECH A	422
6	10.00	MTWTHF	TECH A	420
7	11.00	TWTHFS	TECH A	420
8	11.00	MTWTHF	TECH A	410
9	12.00	MTWTHF	PHY SC	420
10	01.00	MTWTHF	PHY SC	218
11	01.00	MTWTHF	PHY SC	118
12	02.00	MTWTHF	PHY SC	218
13	03.00	MTWTHF	PHY SA	160
14	03.00	MTWTHF	ARENA	121
15	06.00-07.25 PM	M WTH	PHY SC	116
16	07.35-09.00 PM	M WTH	PHY SC	116

111B COL ALGEBRA TRIG 05.0 CR

PREREQ GSD 107B CR MATH 111A

1	08.00	T THFS	TECH A	408
	08.00	W	TECH A	410
2	08.00	MTWTHF	PARK	204
3	09.00	TWTHFS	PHY SC	408
4	09.00	MTWTHF	BROWN	130
5	10.00	TWTHFS	PHY SA	160
6	10.00	MTWTHF	BROWN	130
7	11.00	MTWTHF	BROWN	130
8	11.00	TWTHFS	PHY SC	218
9	12.00	MTWTHF	PHY SC	218
10	12.00	MTWTHF	PHY SC	118
11	01.00	MTWTHF	TECH A	320
12	01.00	MTWTHF	BROWN	130
13	02.00	MTWTHF	BROWN	130
14	02.00	MTWTHF	PHY SC	118
15	03.00	MTWTHF	TECH A	322
16	03.00	MTWTHF	ARENA	119
17	04.00	MTWTHF	TECH A	210
18	06.00-07.25 PM	M WTH	TECH A	308
19	07.35-09.00 PM	M WTH	TECH A	308

150A ELEM CALC-ANAL GEOM 05.0 CR

PREREQ MATH 111B

1	08.00	MTWTHF	ARENA	121
2	08.00	MTWTHF	BROWN	130
3	09.00	MTWTHF	ARENA	119
4	10.00	MTWTHF	TECH A	322
5	11.00	MTWTHF	0861	101
6	12.00	MTW F	ARENA	121
	12.00	TH	TECH A	320
7	12.00	MTWTHF	TECH D	131
8	01.00	MTWTHF	TECH A	220
9	02.00	MTWTHF	TECH A	220
10	02.00	MTWTHF	TECH A	210
11	03.00	MTWTHF	TECH A	208
12	06.00-07.25 PM	M WTH	TECH A	220
13	07.35-09.00 PM	M WTH	TECH A	220

150B ELEM CALC-ANAL GEOM 05.0 CR

PREREQ MATH 150A

1	08.00	MTWTHF	TECH A	210
2	10.00	MTWTHF	TECH A	210
3	12.00	MTWTHF	TECH A	410
4	01.00	MTWTHF	TECH A	208
5	03.00	MTWTHF	TECH A	210
6	04.00	MTWTHF	TECH A	220
7	06.00-07.25 PM	M WTH	TECH A	210

159A ELEM CALCULUS-HONOR 07.0 CR

PREREQ CONSENT OF DEPT

1	03.00	MTWTHF	PHY SA	458

159B ELEM CALCULUS-HONOR 07.0 CR

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      PREREQ   CONSENT OF DEPT
   1    01.00            MTWTHF   PHY SA  458
52A  INTER CALC-ANAL GEC                05.0 CR
      PREREQ   MATH 150B
   1    08.00            MTWTHF   TECH A  220
   2    09.00            MTWTHF   TECH A  220
   3    12.00            MTWTHF   TECH A  408
   4    03.00            MTWTHF   TECH A  220
   5    07.35-09.00 PM   M WTH    TECH A  320
52B  INTER CALC-ANAL GEC                04.0 CR
      PREREQ   MATH 252A
   1    09.00            MT THF   TECH A  320
   2    11.00            MT THF   TECH A  320
   3    12.00            MT THF   TECH A  322
   4    02.00            M WTHF   TECH A  308
59A  INTER-CALCULUS-HCN                 07.0 CR
      PREREQ   MATH 150B OR 155B AND CONSENT
               OF DEPT
   1    09.00            MTWTHF   TECH A  122
59B  INTER-CALCULUS-HCN                 06.0 CR
      PREREQ   MATH 259A
   1    11.00            MTWTHF   TECH D  131
01   FUNDAMENTAL CONCEPT                03.0 CR
      PREREQ   MATH 150B
   1    09.00            M W  F   TECH A  322
   2    04.00            M W  F   TECH A  320
05B  MATH PHYS SCIENCES                 03.0 CR
      PREREQ   MATH 305A
   1    08.00            M W  F   TECH A  320
   2    03.00            MT TH    TECH A  320
10   TEACHING ELEM MATH                 04.0 CR
      PREREQ   GSD 108B
   1    08.00            MTWTH    WHAM    202
   2    11.00            MTWTH    WHAM    208
   3    02.00            MTWTH    WHAM    202
   4    04.00            MTWTH    WHAM    302
11   TEACH SEC MATH /P/                 03.0 CR
      PREREQ   320A
   1    10.00            M W  F   0861    101
19   INTR-ABSTRACT ALG                  03.0 CR
      PREREQ   MATH 301 OR CONSENT OF DEPT
   1    10.00            M        PHY SA  160
        10.00              W  F   TECH A  220
21   ELEM MATRIX ALGEBRA                03.0 CR
      PREREQ   MATH 301 OR CONSENT OF DEPT
   1    11.00            M W  F   TECH A  220
   2    02.00            M W  F   TECH A  208
35B  CONCEPTS OF GEOM                   03.0 CR
      PREREQ   MATH 335A
   1    09.00            M WTH    TECH A  210
52   INTRO TO ANALYSIS                  03.0 CR
      PREREQ   MATH 301 OR CONSENT OF DEPT
   1    12.00            M W  F   TECH A  220
95   READINGS IN MATH       02.0 TO 12.0 CR
      PREREQ   CONSENT OF DEPT
   1    TO BE ARRANGED
0C   STAT ANALYSIS                      04.0 CR
      PREREQ   MATH 410B
   1    10.00            MT THF   PHY SA  358
0D   STAT ANALYSIS                      04.0 CR
      PREREQ   MATH 410B
   1    01.00            MT THF   PHY SA  358
98B  ALGEBRAIC STRUCTURE                03.0 CR
      PREREQ   MATH 419A
   1    03.00             TW  F   PHY SA  358
18B  LINEAR ALGEBRA                     03.0 CR
      PREREQ   MATH 421A
   1    12.00            M WTH    PHY SA  278
5    THEORY OF NUMBERS                  03.0 CR
      PREREQ   MATH 325 OR CONSENT OF INSTR
   1    02.00             T THF   PHY SA  278
6B   MATH LOGIC                         03.0 CR
      PREREQ   MATH 426B
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    1    11.00            M W  F   TECH A  208
428B  BOOL ALG-SWI THEORY              03.0 CR
       PREREQ   MATH 428A
    1    01.00            M W  F   PHY SA  278
    2    04.00            M W  F   PHY SA  278
430   PROJECTIVE GEOMETRY              04.0 CR
    1    09.00            MT THF   WOODY   358
452C  ADVANCED CALCULUS                03.0 CR
       PREREQ   MATH 452B
    1    09.00            MTW  F   PHY SA  278
455C  ADV MATH-PHYS SCI                03.0 CR
       PREREQ   MATH 305 CR CONSENT OF INSTR
    1    12.00             T THF   TECH A  120
    2    04.00            M W  F   PHY SA  258
475C  NUMERICAL ANALYSIS               03.0 CR
       PREREQ   MATH 475B
    1    03.00            M W  F   PHY SA  278
480C  PROBABILITY                      03.0 CR
       PREREQ   MATH 480B
    1    10.00            M W  F   PHY SA  278
483C  INTRO MATH STAT                  03.0 CR
       PREREQ   MATH 483B
    1    11.00            M W  F   PHY SA  458
501C  REAL VARIABLES                   03.0 CR
       PREREQ   MATH 501B
    1    01.00             T THF   TECH A  122
502   ADV TOP ORD DIF EQ     03.0 TO 18.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    09.00-10.50       T TH    TECH B   20
505C  TH ORDIN DIFF EQUAT              03.0 CR
       PREREQ   MATH 505B
    1    09.00            M W  F   TECH B   20
510   FOUNDATIONS OF MATH              04.0 CR
    1    11.00            MT THF   PHY SA  358
520C  MODERN ALGEBRA                   03.0 CR
       PREREQ   MATH 520B
    1    03.00            M W  F   PHY SA  258
522   ADV TOPICS-ALGEBRA               03.0 CR
       PREREQ   MATH 520B
    1    04.00            M W  F   TECH B   20
528C  THEORY OF AUTOMATA               03.0 CR
       PREREQ   MATH 528B
    1    12.00            M W  F   PHY SA  258
530C  GENERAL TOPOLOGY                 03.0 CR
       PREREQ   530B
    1    02.00             T THF   TECH B   20
532   ADV TOPICS TOPOLOGY    03.0 TO 18.0 CR
       PREREQ   CONSENT OF DEPT
    1    01.00-02.50      M W      TECH B   20
536   DIFFERENTIAL GEOM                03.0 CR
       PREREQ   MATH 452C
    1    03.00             T THF   TECH B   20
551C  FUNCTIONAL ANALYSIS               03.0 CR
       PREREQ   MATH 551B
    1    01.00             T THF   TECH B   20
552   ADV TOPICS-ANALYSIS    03.0 TO 18.0 CR
       PREREQ   CONSENT OF DEPT
    1    10.00-11.50       T TH    PHY SC  410
555C  COMPLEX VARIABLES                03.0 CR
       PREREQ   MATH 555B
    1    11.00            M W  F   TECH A  320
581C  ADV PROB THEORY                  03.0 CR
       PREREQ   581B
    1    11.00-12.50       T TH    TECH A  122
595A  SP PROJ ALGEBRA          01.0 TO 10.0 CR
    1    TO BE ARRANGED
595B  SP PROJ GEOMETRY         01.0 TO 10.0 CR
    1    TO BE ARRANGED
595C  SP PROJ ANALYSIS         01.0 TO 10.0 CR
    1    TO BE ARRANGED
595D  SP PROJ PROB + STAT      01.0 TO 10.0 CR
    1    TO BE ARRANGED
595E  SP PROJ MATH EDUC        01.0 TO 10.0 CR
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   1    TO BE ARRANGED
   2    04.00              M          TECH A  120
   3    04.00                W        TECH A  120
   4    04.00                  F      TECH A  120
595F  SP PROJ LOGIC + FCU      01.0 TO 10.0 CR
   1    TO BE ARRANGED
595G  SP PROJ TOPOLOGY         01.0 TO 10.0 CR
   1    TO BE ARRANGED
599   THESIS                   01.0 TO 09.0 CR
   1    TO BE ARRANGED
600   DISSERTATION             01.0 TO 48.0 CR
   1    TO BE ARRANGED
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Microbiology (MICR)

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602   GENERAL MICRO                      05.0 CR
       PREREQ   301
   1    08.00              M W  F    LS I      16  MCCLARY DAN O
        09.00                   F    LS I       6
        09.00-10.50        M W       LS I       6
   2    08.00              M W  F    LS I      16  MCCLARY DAN O
        11.00-12.50        M W       LS I       6
        01.00                   F    LS I       6
   3    08.00              M W  F    LS I      16  MCCLARY DAN O
        01.00-02.50        M W       LS I       6
        02.00                   F    LS I       6
   4    08.00              M W  F    LS I      16  MCCLARY DAN O
        03.00-04.50        M W       LS I       6
        03.00                   F    LS I       6
690   UNDERGRAD RES PART       02.0 TO 05.0 CR
       PREREQ   4.00 GPA IN MICR AND/OR
                CONSENT OF DEPARTMENT
   1    TO BE ARRANGED
741   VIROLOGY LECTURE                   03.0 CR
       PREREQ   MICR 403 + 451
   1    09.00              MTWTH     LS I      16  SHECHMEISTER ISAAC L
742   VIROLOGY LABORATORY                03.0 CR
       PREREQ   PREVIOUS OR CONCURRENT
                ENROLLMENT IN 441-3
   1    01.00-03.50          T TH    LS I       8
   2    01.00-03.50          T TH    LS I       8
790   SEMINAR                            01.0 CR
   1    10.00-11.50             F    LS I      16  OGUR MAURICE
   2    04.00-05.50             F    LS I      16  ROUHANDEH HASSAN
794   METH OF MICRO RES                  05.0 CR
   1    TO BE ARRANGED                                OGUR MAURICE
811   RESEARCH                 01.0 TO 15.0 CR
   1    TO BE ARRANGED
898   READINGS IN MICRO        01.0 TO 10.0 CR
   1    TO BE ARRANGED
912   MOLECULAR VIROLOGY                 03.0 CR
       PREREQ   MICR 541
   1    08.00              MTW       AG       220  ROUHANDEH HASSAN
999   THESIS                   03.0 TO 09.0 CR
   1    TO BE ARRANGED
800   DISSERTATION             03.0 TO 48.0 CR
   1    TO BE ARRANGED
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Music (MUS)

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018   SYMPHONIC BAND                     01.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
   1    02.00              MTWTHF    ALTG     114  KOENIGSTEIN NICHOLAS
01C   STAGE BAND                         01.0 CR
       PREREQ   AUDITION
   1    TO BE ARRANGED                                LEMASTERS
   2    07.00-10.00 PM       W       ALTG     114  STIMAN HAROLD E
   3    07.00-10.00 PM         TH    ALTG     114  LEMASTERS DONALD D
01E   WIND ENSEMBLE                      01.0 CR
       PREREQ   AUDITION
   1    03.00-04.30          T TH    ALTG     114  SIENER MELVIN L
02A   UNIVERSITY CHOIR                   01.0 CR
       PREREQ   AUDITION
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    1    04.00-05.30        T TH     ALTG    115  KINGSBURY ROBERT
002B  CHORUS ORATORIC          00.0 TO 01.0 CR
    1    07.30-09.45 PM  M          H EC    140B KINGSBURY ROBERT
      CLASS ALSO MEETS IN ALTG 115
002C  MALE GLEE CLUB                  01.0 CR
       PREREQ   AUDITION
    1    08.00-09.30 PM    T TH     ALTG    115  KINGSBURY ROBERT
002D  WOMEN-CHORAL ENSEM               01.0 CR
       PREREQ   AUDITION
    1    03.00             M W      ALTG    115  TAYLOR CHARLES C
         03.00                F     ALTG    116  TAYLOR CHARLES C
002E  ANGEL FLT ANGELAIRE              01.0 CR
       PREREQ   MEMBERSHIP IN S.I.U. ANGEL
                FLIGHT
    1    07.30-09.00 PM    T TH     ALTG    248  TAYLOR  S
003A  UNIVERSITY ORCHESTR              01.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    03.00-04.30       M W  F   ALTG    114  STROUD
003B  CHAMBER ORCHESTRA                01.0 CR
       PREREQ   AUDITION
    1    TO BE ARRANGED                          STRAWN
010A  CLASS APP-STRINGS                01.0 CR
    1    09.00             T TH     ALTG    114  POULOS AND STROU
010B  CLASS APP-WOODWINDS              01.0 CR
    1    08.00             T TH     0555    104  RESNICK ROBERT S
      INTRAVAIA
010C  CLASS APP-BRASS                  01.0 CR
    1    11.00             T TH     ALTG    114  STIMAN HAROLD E
      LEMASTERS
010D  CLASS APP-PERCUSS                01.0 CR
    1    10.00             T TH     ALTG    114  FLOYD SAMUEL
010E  CLASS APP-PIANO                  01.0 CR
    1    08.00           M W        ALTG    301  HARTLINE ELISABE D
      MM2
    2    08.00            T TH      ALTG    301  BEDFORD FRANCES
      KP3
    3    09.00           M    F     ALTG    301  HARTLINE ELISABE D
      KP1
    4    09.00            T TH      ALTG    301  BEDFORD FRANCES
      SKP3
    5    10.00            T   F     ALTG    301  HARTLINE ELISABE D
      MM6
    6    10.00           M W        ALTG    301  BEDFORD FRANCES
      KP3
    7    11.00           M    F     ALTG    301  HARTLINE ELISABE D
      MM3
    8    11.00            T TH      ALTG    301  BEDFORD FRANCES
      KP2
    9    11.00              W       ALTG    301  BEDFORD FRANCES
         08.00                 F    ALTG    301
      KP2
   10    12.00           M W        ALTG    301  HARTLINE ELISABE D
      MM3
   11    12.00            T   F     ALTG    301  BEDFORD FRANCES
      MM6
   12    01.00           M W        ALTG    301  HARTLINE ELISABE D
      MM1
   13    01.00            T   F     ALTG    301
      MM5
   14    02.00           M W        ALTG    301  HARTLINE ELISABE D
      MM6
   15    02.00            T   F     ALTG    301
      MM1
   16    03.00           M W        ALTG    301
      KP3
   17    03.00            T   F     ALTG    301  BEDFORD FRANCES
      KP1
010F  CLASS APP-VOICE                  01.0 CR
    1    10.00            T TH      ALTG    248  KAGEFF
    2    01.00            T TH      ALTG    248  KAGEFF
105B  THEORY OF MUSIC                  04.0 CR
       PREREQ   105A
    1    09.00           MTWTHF     ALTG    248  HUSSEY GEORGE A
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105C THEORY OF MUSIC 04.0 CR

1	08.00	MTWTHF	ALTG	106	WEBB MARY ANN V
2	08.00	MTWTHF	ALTG	248	BABER JOSEPH W
3	09.00	MTWTHF	ALTG	106	OLDFIELD
4	09.00	MTWTHF	ALTG	116	GRIZZELL MARY JANE

106 SURVEY OF MUS LIT 03.0 CR

PREREQ MAJOR/MINOR IN MUSIC

1	01.00	M W F	ALTG	116	FLOYD

140A PRIV APP MUS-VIOLIN 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		POULOS
2	TO BE ARRANGED		STRAWN
3	TO BE ARRANGED		WHARTON JOHN S

140B PRIV APP MUS-VIOLA 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		BABER JOSEPH W

140C PRIV APP MUS-CELLO 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		STROUD

140D PRIV APP MUS-STRING 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		BRANCH

140E PRIV APP MUS-FLUTE 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		RESNICK ROBERT S
2	TO BE ARRANGED		BOTTJE WILL G

140F PRIV APP MUS-OBOE 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		HUSSEY GEORGE A

140G PRIV APP MUS-CLAR 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		RESNICK ROBERT S
2	TO BE ARRANGED		INTRAVAIA

140H PRIV APP MUS-BASSON 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		INTRAVAIA

140I PRIV APP MUS-SAX 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		RESNICK ROBERT S
2	TO BE ARRANGED		HUSSEY GEORGE A

140J PRIV APP MUS-PERCUS 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		FLOYD SAMUEL

140K PRIV APP MUS-PIANO 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		GRIZZELL MARY JANE
2	TO BE ARRANGED		DENKER FRED H
3	TO BE ARRANGED		MUELLER ROBERT E
4	TO BE ARRANGED		BARWICK

140L PRIV APP MUS-F HORN 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		NADAF GEORGE

140M PRIV APP MUS-TRUMP 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		LEMASTERS DONALD D
2	TO BE ARRANGED		OLSSON PHILLIP H

140N PRIV APP MUS-TRBONE 01.0 TO 04.0 CR

PREREQ MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY

1	TO BE ARRANGED		STIMAN HAROLD E

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140O  PRIV APP MUS-TUBA       01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          STIMAN HAROLD E
140P  PRIV APP MUS-BATONE     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          STIMAN HAROLD E
140Q  PRIV APP MUS-VOICE      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          KAGEFF
    2    TO BE ARRANGED                          TAYLOR WILLIAM KL
    3    TO BE ARRANGED                          LAWRENCE MARJORIE
    4    TO BE ARRANGED                          WALLACE
140R  PRIV APP MUS-ORGAN      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          WEBB MARY ANN
140S  PRIV APP MUS-HARPCH     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          MORGAN WESLEY K
    2    TO BE ARRANGED                          BEDFORD
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Mus 140, 240, 340, 440 restricted:
All registered should be entered on rosters kept by Mr. Wharton and their cards should bear his signature.

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200   FUNDAMENTALS-MUSIC                03.0 CR
    1    01.00          M W  F    ALTG    248  POULOS
    2    03.00          M W  F    ALTG    248  EDDINS
205C  THEORY OF MUSIC                   03.0 CR
       PREREQ   205B
    1    11.00          MTWTHF    ALTG    106  DENKER FRED H
    2    11.00          MTWTHF    ALTG    248  MUELLER ROBERT E
    3    11.00          MTWTHF    ALTG    116  BOTTJE
240A  PRIV APP MUS-VIOLIN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          POULOS
    2    TO BE ARRANGED                          STRAWN
    3    TO BE ARRANGED                          WHARTON JOHN S
240B  PRIV APP MUS-VIOLA      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          BABER JOSEPH W
240C  PRIV APP MUS-CELLO      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          STROUD
240D  PRIV APP MUS-STRING     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          BRANCH
240E  PRIV APP MUS-FLUTE      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          RESNICK ROBERT
    2    TO BE ARRANGED                          BOTTJE WILL G
240F  PRIV APP MUS-OBOE       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          HUSSEY GEORGE A
240G  PRIV APP MUS-CLAR       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          RESNICK ROBERT
    2    TO BE ARRANGED                          INTRAVAIA
240H  PRIV APP MUS-BASSON     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                          INTRAVAIA
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240I PRIV APP MUS-SAX 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED RESNICK ROBERT S
2 TO BE ARRANGED HUSSEY GEORGE A

240J PRIV APP MUS-PERCUS 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED FLOYD SAMUEL

240K PRIV APP MUS-PIANO 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED GRIZZELL MARY JANE
2 TO BE ARRANGED CENKER FRED H
3 TO BE ARRANGED MUELLER ROBERT E
4 TO BE ARRANGED BARWICK

240L PRIV APP MUS-F HORN 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED NADAF GEORGE

240M PRIV APP MUS-TRUMP 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED LEMASTERS DONALD D
2 TO BE ARRANGED CLSSCN PHILLIP H

240N PRIV APP MUS-TRBONE 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED STIMAN HAROLD E

240O PRIV APP MUS-TUBA 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED STIMAN HAROLD E

240P PRIV APP MUS-BATONE 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED STIMAN HAROLD E

240Q PRIV APP MUS-VOICE 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED KAGEFF
2 TO BE ARRANGED TAYLOR WILLIAM KLETT
3 TO BE ARRANGED LAWRENCE MARJORIE
4 TO BE ARRANGED WALLACE

240R PRIV APP MUS-ORGAN 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED WEBB MARY ANN V

240S PRIV APP MUS-HARPCH 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVICUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED MORGAN
2 TO BE ARRANGED BEDFORD

Is 140, 240, 340, 440 restricted:
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Opt by Mr. Wharton and their cards should
bear his signature.

340A EL MUS METH-MUS MAJ 03.0 CR
PREREQ 200 OR EQUIVALENT
1 02.00 M W F ALTG 248 MCHUGH

340B EL METH-NON MAJ 4-6 03.0 CR
PREREQ 200 OR EQUIVALENT
1 12.00 M W F ALTG 248 MCHUGH

340C EL METH-NON MAJ K-3 03.0 CR
PREREQ 200 OR EQUIVALENT
1 10.00 M W F ALTG 248 MCHUGH

399B ARRANGING 02.0 CR
PREREQ 309A
1 02.00 T TH ALTG 115 KOENIGSTE

432C COMPOSITION 02.0 CR
PREREQ 312B
1 TO BE ARRANGED OLDFIELD

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318B  CONDUCTING                          02.0 CR
       PREREQ   318A
    1    12.00            T TH     ALTG    106  KOENIGSTEIN NICHC
318C  CONDUCTING                          02.0 CR
       PREREQ   318A
    1    12.00            M W      ALTG    106  TAYLOR CHARLES C
326C  ANALYSIS                            02.0 CR
       PREREQ   326B
    1    02.00            T TH     ALTG    116  BABER JOSEPH W
340A  PRIV APP MUS-VIOLIN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        POULOS
    2    TO BE ARRANGED                        STRAWN
    3    TO BE ARRANGED                        WHARTON JOHN S
340B  PRIV APP MUS-VIOLA      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        BABER JOSEPH W
340C  PRIV APP MUS-CELLO      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        STROUD
340D  PRIV APP MUS-STRING     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        BRANCH
340E  PRIV APP MUS-FLUTE      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        RESNICK ROBERT S
    2    TO BE ARRANGED                        BOTTJE WILL G
340F  PRIV APP MUS-OBOE       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        HUSSEY GEORGE A
340G  PRIV APP MUS-CLAR       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        RESNICK ROBERT S
    2    TO BE ARRANGED                        INTRAVAIA
340H  PRIV APP MUS-BASSCN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        INTRAVAIA
340I  PRIV APP MUS-SAX        01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        RESNICK ROBERT S
    2    TO BE ARRANGED                        HUSSEY GEORGE A
340J  PRIV APP MUS-PERCUS     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        FLOYD SAMUEL
340K  PRIV APP MUS-PIANO      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        GRIZZELL MARY J
    2    TO BE ARRANGED                        DENKER FRED H
    3    TO BE ARRANGED                        MUELLER ROBERT
    4    TO BE ARRANGED                        BARWICK
340L  PRIV APP MUS-F HORN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        NADAF GEORGE
340M  PRIV APP MUS-TRUMP      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                        LEMASTERS DONAL
    2    TO BE ARRANGED                        OLSSON PHILLIP
340N  PRIV APP MUS-TRBONE     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
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  1    TO BE ARRANGED                                  STIMAN HAROLD E
400  PRIV APP MUS-TUBA       01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  STIMAN HAROLD E
40P  PRIV APP MUS-BATONE     01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  STIMAN HAROLD E
40Q  PRIV APP MUS-VOICE      01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  KAGEFF
  2    TO BE ARRANGED                                  TAYLOR WILLIAM KLETT
  3    TO BE ARRANGED                                  LAWRENCE MARJORIE
  4    TO BE ARRANGED                                  WALLACE
40R  PRIV APP MUS-ORGAN      01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  WEBB MARY ANN V
40S  PRIV APP MUS-HARPCH     01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  MORGAN
  2    TO BE ARRANGED
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s 140, 240, 340, 440 restricted:
l registered should be entered on rosters
ot by Mr. Wharton and their cards should
ar his signature.

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51   ACCOMPANYING LAB                01.0 CR
  1    TO BE ARRANGED                                  DENKER
536  OPERA WORKSHOP          02.0 TO 36.0 CR
  1    03.00              T TH     ALTG    115  LAWRENCE MARJORIE
       03.00-04.50           F     ALTG    115  LAWRENCE MARJORIE
       07.00-10.00 PM     WTH     ALTG    116  LAWRENCE MARJORIE
57C  MUSIC HIST + LIT                03.0 CR
      PREREQ   MUS 105C CR CONSENT OF INSTRUC
               TOR
  1    10.00              TWTHF    ALTG    116
35A  CHAMBER MUS-VOCAL               01.0 CR
  1    04.00              M W      ALTG    115  KINGSBURY  OBERT W
  2    04.00              M W      ALTG    116  TAYLOR CHA LES C
35B  CHAMBER MUS-STRING              01.0 CR
  1    TO BE ARRANGED                                  POULOS
35C  CHAMBER MUS-WOODWND             01.0 CR
  1    TO BE ARRANGED                                  HUSSEY GEORGE A
35D  CHAMBER MUS-BRASS               01.0 CR
  1    07.00-08.30 PM   T       ALTG    114  NADAF GEORGE
35E  CHAMBER MUS-PERCUSS             01.0 CR
  1    TO BE ARRANGED                                  FLOYD SAMUEL
41C  CHAMBER MUSIC LIT               03.0 CR
  1    02.00              M W  F   ALTG    106  BARWICK
44   COLLEGIUM MUSICUM       02.0 TO 06.0 CR
      PREREQ   MUSIC CONCENTRATION AND/OR
               CONSENT OF DEPARTMENT
  1    01.00              T TH     0555    103  MORGAN WESLEY K
40   STAGE BAND ARRANGNG                  02.0 CR
      PREREQ   309A
  1    TO BE ARRANGED                                  STIMAN
40A  PRIV APP MUS-VIOLIN     01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  POULOS
  2    TO BE ARRANGED                                  STRAWN
  3    TO BE ARRANGED                                  WHARTON JOHN S
40B  PRIV APP MUS-VIOLA      01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
  1    TO BE ARRANGED                                  BABER JOSEPH W
40C  PRIV APP MUS-CELLO      01.0 TO 04.0 CR
      PREREQ   3 QTRS AT PREVICUS LEVEL ON
               SAME INSTR OR CONSENT
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    1    TO BE ARRANGED                                  STRCUD
440D  PRIV APP MUS-STRING     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  BRANCH
440E  PRIV APP MUS-FLUTE      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  RESNICK ROBERT S
    2    TO BE ARRANGED                                  BOTTJE WILL G
440F  PRIV APP MUS-OBOE       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  HUSSEY GEORGE A
440G  PRIV APP MUS-CLAR       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  RESNICK ROBERT
    2    TO BE ARRANGED                                  INTRAVAIA
440H  PRIV APP MUS-BASSCN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  INTRAVAIA
440I  PRIV APP MUS-SAX        01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  RESNICK ROBERT
    2    TO BE ARRANGED                                  HUSSEY GEORGE A
440J  PRIV APP MUS-PERCUS     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  FLOYD SAMUEL
440K  PRIV APP MUS-PIANO      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  GRIZZELL MARY J
    2    TO BE ARRANGED                                  DENKER FRED H
    3    TO BE ARRANGED                                  MUELLER ROBERT
    4    TO BE ARRANGED                                  BARWICK
440L  PRIV APP MUS-F HORN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  NADAF GEORGE
440M  PRIV APP MUS-TRUMP      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  LEMASTERS DONAL
    2    TO BE ARRANGED                                  CLSSCN PHILLIP
440N  PRIV APP MUS-TRBONE     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  STIMAN HAROLD E
440O  PRIV APP MUS-TUBA       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  STIMAN HAROLD E
440P  PRIV APP MUS-BATONE     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  STIMAN HAROLD E
440Q  PRIV APP MUS-VOICE      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  KAGEFF
    2    TO BE ARRANGED                                  TAYLOR WILLIAM E
    3    TO BE ARRANGED                                  LAWRENCE MARJO
    4    TO BE ARRANGED                                  WALLACE
440R  PRIV APP MUS-ORGAN      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CCNSENT
    1    TO BE ARRANGED                                  WEBB MARY ANN
440S  PRIV APP MUS-HARPCH     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
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SAME INSTR OR CONSENT

1 TO BE ARRANGED — MORGAN WESLEY K
2 TO BE ARRANGED — BEDFORD

ıs 140, 240, 340, 440 restricted:
l1 registered should be entered on rosters
ept by Mr. Wharton and their cards should
ear his signature.

1C COUNTERPOINT 02.0 CR
PREREQ 441B
1 01.00 T TH ALTG 106 MUELLER

4C INTERMEDIATE COMP 02.0 CR
PREREQ 444B
1 TO BE ARRANGED — OLDFIELD

2 TEACH TECH AND MAT 02.0 CR
PREREQ 461
1 TO BE ARRANGED — GRIZZELL

5A DEV-TEACH OF STRING 03.0 CR
PREREQ SENIOR STANDING
1 01.00 M W F ALTG 106 STRAWN

8 MUSIC PRODUCTIONS 02.0 TO 12.0 CR
1 TO BE ARRANGED — LAWRENCE

1 READINGS IN THEORY 02.0 TO 06.0 CR
1 TO BE ARRANGED — DENKER

2 READ IN HIST + LIT 02.0 TO 06.0 CR
1 TO BE ARRANGED — MORGAN WESLEY K

3 READ IN MUS EDUC 02.0 TO 06.0 CR
1 TO BE ARRANGED — MCHUGH

9 INDEPENDENT STUDY 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED — MCHUGH

2C ANALYTIC TECHNIQUES 02.0 CR
PREREQ 502B
1 02.00 T TH ALTG 106 MUELLER ROBERT E

51 ADV COMPOSITION 02.0 TO 09.0 CR
PREREQ 312C, 342C, AND CONSENT OF INSTRUCTOR
1 TO BE ARRANGED — BOTTJE WILL G

0A PRIV APP MUS-VIOLIN 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — POULOS
2 TO BE ARRANGED — STRAWN
3 TO BE ARRANGED — WHARTON JOHN S

0B PRIV APP MUS-VIOLA 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — BABER JOSEPH W

0C PRIV APP MUS-CELLO 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — STROUD

0D PRIV APP MUS-STRING 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — BRANCH

0E PRIV APP MUS-FLUTE 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — RESNICK ROBERT S
2 TO BE ARRANGED — BOTTJE WILL G

4F PRIV APP MUS-OBOE 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — HUSSEY GEORGE A

4G PRIV APP MUS-CLAR 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
1 TO BE ARRANGED — RESNICK ROBERT S
2 TO BE ARRANGED — INTRAVAIA

4H PRIV APP MUS-BASSOON 01.0 TO 04.0 CR
PREREQ 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT

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    1    TO BE ARRANGED                                  INTRAVAIA
540I  PRIV APP MUS-SAX        01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  RESNICK ROBERT S
    2    TO BE ARRANGED                                  HUSSEY GEORGE A
540J  PRIV APP MUS-PERCUS     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  FLOYD SAMUEL
540K  PRIV APP MUS-PIANO      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  GRIZZELL MARY JA
    2    TO BE ARRANGED                                  CENKER FRED H
    3    TO BE ARRANGED                                  MUELLER ROBERT E
    4    TO BE ARRANGED                                  BARWICK
540L  PRIV APP MUS-F HORN     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  NADAF GEORGE
540M  PRIV APP MUS-TRUMP      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  LEMASTERS DONALD
    2    TO BE ARRANGED                                  CLSSON PHILLIP H
540N  PRIV APP MUS-TRBONE     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  STIMAN HAROLD E
5400  PRIV APP MUS-TUBA       01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  STIMAN HAROLD E
540P  PRIV APP MUS-BATONE     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  STIMAN HAROLD E
540Q  PRIV APP MUS-VOICE      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  KAGEFF
    2    TO BE ARRANGED                                  TAYLOR WILLIAM H
    3    TO BE ARRANGED                                  LAWRENCE MARJORI
    4    TO BE ARRANGED                                  WALLACE
540R  PRIV APP MUS-ORGAN      01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  WEBB MARY ANN V
540S  PRIV APP MUS-HARPCH     01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
    1    TO BE ARRANGED                                  MORGAN WESLEY K
    2    TO BE ARRANGED                                  BEDFORD
556   ADV CONDUCTING          02.0 TO 06.0 CR
    1    TO BE ARRANGED                                  STRAWN
    2    TO BE ARRANGED                                  LEVINSON HERBER
    3    TO BE ARRANGED                                  KOENIGSTEIN NIC
566   INST ENSEMBLE           01.0 TO 00.0 CR
    1    TO BE ARRANGED                                  SIENER
567   VOCAL ENSEMBLE          01.0 TO 00.0 CR
    1    TO BE ARRANGED                                  KINGSBURY
568   OPERA WORKSHOP          02.0 TO 12.0 CR
    1    03.00            T TH     ALTG    115  LAWRENCE MARJOR
         03.00-04.50         F     ALTG    115  LAWRENCE MARJOR
         07.00-10.00 PM    WTH     ALTG    116  LAWRENCE MARJOR
599   THESIS                  03.0 TO 09.0 CR
    1    TO BE ARRANGED                                  MCHUGH
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Philosophy (PHIL)

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200   TYPES OF PHIL                   04.0 CR
    1    01.00            T TH     H EC    206  MCCLURE GEORGE
         01.00              M W    H EC    203  MCCLURE GEORGE
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20  GENERAL LOGIC                          04.0 CR
  1    02.00            MTWTH    H EC     206  CLARKE DAVID S
45  BLACK SOCIAL PHIL                      03.0 CR
     PREREQ   JR STANDING OR PERMISSIONOF
              DEPT
  1    03.00             T TH    H EC     203  ALLEN
       03.00                F    LAWSON   101
50  PHIL OF ART                            04.0 CR
  1    02.00-03.50       T TH    0861     102
55  LOGIC OF SOCIAL SCI                    03.0 CR
  1    11.00             T THF   H EC     203  MCCLURE GEORGE T
20  ADVANCED LOGIC                         04.0 CR
     PREREQ   PHIL 320 AND CONSENT OF INS
  1    01.00            MTWTH    0871     101  CLARKE
32  RECENT EUROP PHIL                      03.0 CR
  1    10.00            M W  F   H EC     208  GILLAN
00  SPECIAL PROBLEMS       02.0 TO 05.0 CR
     PREREQ   CONSENT OF INS IN ALL CASE REQ
              UIRED
  1    TO BE ARRANGED                                HAHN LEWIS EDWIN
  2    04.00-06.30           F   H EC     211  LIU
  PHILOSOPHY OF CULTURE-3 HRS CREDIT
  3    07.00-09.30 PM     W      H EC     211  HAYWARD
  WHITEHEAD SYMBOLISM-3 HRS CREDIT
70  HONORS                                 04.0 CR
     PREREQ   497B
  1    04.00-06.30        W      H EC     211  GILLAN
80  PHIL OF JOURNALISM                     03.0 CR
  1    08.00-09.50         TH    H EC     211  MOORE WILLIS
90  SEM AM IDEALISM                        03.0 CR
  1    07.00-09.30 PM     T      H EC     208  HOWIE JOHN
97  SEMINAR IN HEGEL                       03.0 CR
  1    04.00-06.30        W      H EC     208  DIEFENBECK
99  GEN GRAD SEMINAR       02.0 TO 05.0 CR
     PREREQ   CONSENT OF INSTR
  1    TO BE ARRANGED                                HAHN
00  GEN GRAD SEMINAR       01.0 TO 05.0 CR
  1    TO BE ARRANGED                                HAHN LEWIS EDWIN
  2    04.00-06.30       M      H EC     208
  UTILITARIANISM
  3    04.00-06.30        T     H EC     208  EAMES ELIZABETH R
  ANALYTIC PHILOSOPHY
  4    07.00-09.30 PM    M      H EC     208  EAMES S MORRIS
  VALUE THEORY
01  READINGS IN PHIL       01.0 TO 05.0 CR
     PREREQ   CONSENT OF INSTR
  1    TO BE ARRANGED                                HAHN LEWIS EDWIN
99  THESIS                 02.0 TO 09.0 CR
  1    TO BE ARRANGED                                HAHN LEWIS EDWIN
00  DISSERTATION           03.0 TO 12.0 CR
  1    TO BE ARRANGED                                HAHN LEWIS EDWIN
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Physical Education for Men (PEM)

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10A  M TEACH SWIMMING                       01.0 CR
      PREREQ   IF NONSWIMMER--AUDIT GSE 100A
               BEG SWIM
  1    08.00            M W  F   PULL P    11  ESSICK RAYMOND B
  2    09.00            M W  F   PULL P    11  ESSICK RAYMOND B
10B  M TEACH GOLF                           01.0 CR
  1    08.00            M W      ARENA    555  HOLDER LYNN C
  2    08.00             T TH    ARENA    555  HOLDER LYNN C
  3    09.00             T TH    ARENA    555  HOLDER LYNN C
10C  M TEACH TENNIS                         01.0 CR
  1    08.00            M W      TENNIS   100  LEFEVRE JOHN R
  2    08.00             T TH    TENNIS   100  LEFEVRE JOHN R
10D  M TCH IND-TEAM ACT                     01.0 CR
  1    09.00            MT TH    ARENA    555  REESE
  2    10.00            MT TH    ARENA    555  REESE
  3    12.00            M W  F   ARENA    555
10E  M TCH BASIC RHYTHMS                    01.0 CR
  1    10.00            M W  F   ARENA    555  FRANKLIN C C JR
  2    02.00            M W  F   ARENA    555  FRANKLIN
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100F  M TCH EXER-FITNESS                    01.0 CR
    1    12.00              M W       ARENA   555  GOOD LARRY
         12.00                   F     ARENA   125  GOOD LARRY
100G  M TEACH FOOTBALL                      02.0 CR
    1    01.00-02.50        M W       ARENA   555  MAZIE ROBERT
    2    01.00-02.50         T TH     ARENA   555  REESE
100H  M TEACH BASKETBALL                    02.0 CR
    1    11.00              MTW       ARENA   555  IUBELT GEORGE
         11.00                   F     ARENA   123
    2    12.00              MTW       ARENA   555  IUBELT
         12.00                 TH      ARENA   121
100I  M TEACH BASEBALL                      02.0 CR
    1    01.00-02.50        M W       ARENA   555
    2    01.00-02.50         T TH     ARENA   555
100J  M TEACH TRACK-FIELD                   02.0 CR
    1    01.00-02.50         T TH     ARENA   555  HARTZOG LEWIS B
100K  M TEACH GYMNASTICS                    02.0 CR
    1    09.00              MTWTH     ARENA   555  MEADE WILLIAM T
100M  M TEACH WRESTLING                     02.0 CR
    1    10.00              MTWTH     ARENA   123  LONG LINN L
101   ORIENT-PRACT P E                      02.0 CR
    1    11.00               T TH     ARENA   123  MARTIN MORRIS GL
172   VARSITY TRACK                         02.0 CR
    1    03.00              MTWTHF    STAD     18  HARTZOG LEWIS B
173   VARSITY TENNIS                        02.0 CR
    1    03.00              MTWTHF    TENNIS  100  LEFEVRE JOHN R
175   VARSITY BASEBALL                      02.0 CR
    1    03.00              MTWTHF    ARENA   555  LUTZ ROLLIN J
176   VARSITY GOLF                          02.0 CR
    1    03.00              MTWTHF    ARENA   555  HOLDER LYNN C
230   TECHNIQUES BALLET       02.0 TO 48.0 CR
    1    04.00              M         GYM     206
      SEE PEW FOR REGISTRATION
303   KINESIOLOGY                           05.0 CR
       PREREQ   PHSL 300
    1    08.00              MTWTHF    GYM     204  THORPE JOANNE LE
    2    11.00              MTWTHF    LAWSON  121  GOOD LARRY
      CROSSLISTED WITH PEW
305   PE - ATYPICAL STUD                    02.0 CR
       PREREQ   PHSL 300
    1    09.00               T TH     ARENA   125  GREENE NORMAN C
317   LIFE SAV+WATER SAFE                   01.0 CR
    1    04.00              MTWTH     PULL P   11  CARROLL
      CROSSLISTED WITH WOMENS P E MEETS FIRST
      9 WEEKS ONLY
330B  THEO FOOTBALL COACH                   02.0 CR
       PREREQ   PEM 217
    1    08.00              MTW       ARENA   123  TOWERS RICHARD
      FIRST 9 WEEKS ONLY
341   PRIN OF P E                           03.0 CR
       PREREQ   SENIOR STANDING
    1    10.00              M W  F    ARENA   121  SHEA EDWARD J
350   M-M TEACH PE EL SCH                   03.0 CR
    1    01.00              MTWTH     ARENA   125  FRANKLIN C C JR
354   ORG-ADM RHY ED-ATHL                   03.0 CR
    1    08.00              M W  F    ARENA   125  STOTLAR
    2    09.00              M W  F    ARENA   125  STOTLAR JOHN W
355   ASSISTING TECH                        02.0 CR
    1    06.00        PM    M         ARENA   125  WILKINSON JAMES
         TO BE ARRANGED                             WILKINSON JAMES
370   TESTS MEAS PHY ED       03.0 TO 04.0 CR
    1    12.00              MTWTH     ARENA   123  FRANKLIN C C JR
376   CARE-PREV ATH INJ                     03.0 CR
       PREREQ   PHSL 300
    1    12.00              MTWTH     ARENA   125  SPACKMAN ROBERT J
377   HORSEBACK RIDING                      01.0 CR
    1    TO BE ARRANGED                             ILLNER JULEE
      SEE PEW FOR REGISTRATION
378   CANOEING-BOATING                      01.0 CR
       PREREQ   INTERMEDIATE SWIMMING OR EQUIV
    1    TO BE ARRANGED
      SEE PEW FOR REGISTRATION
420   EFFECTS MOTOR ACTIV                   04.0 CR
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  1    10.00          MT THF    ARENA    125  KNOWLTON RONALD G
  2    02.00          MTWTH     ARENA    125  ACKERMAN
5A  IND RES-DANCE          02.0 TO 04.0 CR
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
5B  IND RES-KINESICLOGY    02.0 TO 04.0 CR
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
5C  IND RES-MEASUREMENT    02.0 TO 04.0 CR
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
5D  IND RES-MOTOR DEVEL    02.0 TO 04.0 CR
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
5E  IND RES-PHSL OF EX     02.0 TO 04.0 CR
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
5F  IND RES-HIST + PHIL    02.0 TO 04.0 CR
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
51  CURRICULUM IN PE              04.0 CR
  1    07.00-09.30 PM  M        GYM      204  DAVIES
    CROSSLISTED WITH PEW
53  SEMINAR IN P E                04.0 CR
  1    07.00-09.30 PM    W      ARENA    125  SHEA EDWARD J
    CROSSLISTED WITH PEW
5   PROB IN P E                   04.0 CR
     PREREQ   500
  1    TO BE ARRANGED
    CROSSLISTED WITH PEW
5   SUPERV PHYS ED                04.0 CR
  1    07.00-09.30 PM   T       GYM      204
    CROSSLISTED WITH PEW
5   METABOLIC ANAL-HUM            04.0 CR
     PREREQ   PEM 420
  1    07.00-09.30 PM     TH     ARENA    125  KNOWLTON RONALD G
5   READING IN P E          01.0 TO 06.0 CR
  1    TO BE ARRANGED                          SHEA EDWARD J
5   THESIS                  01.0 TO 09.0 CR
  1    TO BE ARRANGED                          SHEA EDWARD J
6   DISSERTATION            02.0 TO 48.0 CR
  1    TO BE ARRANGED                          SHEA EDWARD J
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Physical Education for Women (PEW)

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21  INTERMED SWIMMING             01.0 CR
     PREREQ   PASS BEGINNING SWIM TEST
  1    01.00          M W  F    PULL P   11
  2    02.00          M W  F    PULL P   11  COOPER CAROL
22  TENNIS                        01.0 CR
  1    10.00-11.30     T TH     GYM      207  COTTEN SARAH ELLEN
  2    11.00-12.30     T TH     GYM      207  COTTEN
  3    02.00-03.30     T TH     GYM      207  COTTEN SARAH ELLEN
23  TECHNIQUES BALLET             02.0 CR
  1    04.00          M         GYM      206  DAVIDSON
       03.00-04.50     T TH     GYM      206  DAVIDSON
    CROSSLISTED WITH THEA 230
24  THEO-TECH CONT DNCE           02.0 CR
  1    02.00-03.50    MTWTH     0813     101  GRAY WINSTON G
    CROSSLISTED WITH THEA 240
7   DANCE WORKSHOP          01.0 TO 02.0 CR
  1    07.00-09.00 PM   T TH     0813     101  GRAY + DAVIDSON
    CROSSLISTED WITH THEA 273
0   KINESIOLOGY                   05.0 CR
     PREREQ   ANATOMY
  1    08.00          MTWTHF    GYM      204  THORPE JOANNE LEE
  2    11.00          MTWTHF    LAWSON   121  GOOD
    CROSSLISTED WITH PEM 303
04  TECH-TEACH SPORTS             02.0 CR
  1    10.00-11.30      W  F    GYM      207  POTTER
17  LIFE SAV WATER SAFE           01.0 CR
     PREREQ   PASS INTERMED SWIM TEST
  1    04.00          MTWTH     PULL P   11  GOOD
    MEETS FIRST NINE WKS-CROSSLISTED WITH
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PEM 317.

319 TCHG ELEM SCH ACT 04.0 CR
PREREQ PSYC 301 CR GUID 305

1	08.00	MTWTH	GYM	207	WEST CHARLOTTE
2	09.00	MTWTH	GYM	208	POTTER
3	03.00	MTWTH	GYM	208	POTTER
4	04.00-05.50	M W	GYM	208	ZIMMERMAN
5	04.00-05.50	T TH	GYM	208	ZIMMERMAN HELEN

350 MATS METH ELEM SCH 05.0 CR

1	01.00	MTWTHF	GYM	207	STEHR JEAN
2	05.00	M	GYM	207	WOOD
	05.00-06.50	TW	GYM	207	

353 ORGAN + ADMIN OF PE 04.0 CR
PREREQ PEW 354

1	09.00	MTWTH	GYM	204	DAVIES DOROTHY

355 TECH OF TEACH SWIM 03.0 CR
PREREQ PEW 211 OR EQUIV

1	03.00	M W F	POOL P	11	COOPER CAROL

374 ADVANCED FOLK DANCE 01.0 CR

1	02.00	T TH	GYM	114	STEHR

377 HORSEBACK RIDING 01.0 CR

1	02.00-03.50	TH	GYM	114	ILLNER JULEE

378 CANOEING + BOATING 01.0 CR
PREREQ PASS SWIM TEST

1	11.00-12.30	M W	GYM	114	COOPER CAROL

416 THEORIES OF DANCE 04.0 CR

1	01.00	M WTHF	GYM	206	DAVIDSON ELLEVA

CROSSLISTED WITH THEA 416

475A IND RES-DANCE 02.0 TO 04.0 CR
1 TO BE ARRANGED

475B IND RES-KINESIOLOGY 02.0 TO 04.0 CR
1 TO BE ARRANGED

475C IND RES-MEASUREMENT 02.0 TO 04.0 CR
1 TO BE ARRANGED

475D IND RES-MOTOR DEVEL 02.0 TO 04.0 CR
1 TO BE ARRANGED

475E IND RES-PHSL OF EX 02.0 TO 04.0 CR
1 TO BE ARRANGED

475F IND RES-HIST + PHIL 02.0 TO 04.0 CR
1 TO BE ARRANGED

501 CURRICULUM IN P E 04.0 CR

1	07.00-09.30 PM	M	GYM	204	DAVIES

CROSSLISTED WITH PEM 501

503 SEMINAR IN P E 04.0 CR

1	07.00-09.30 PM	W	ARENA	125	SHEA EDWARD J

CROSSLISTED WITH PEM 503

504 PROBLEMS IN PE 04.0 CR
PREREQ PEW 500 OR EQUIV
1 TO BE ARRANGED

509 SUPERV PHYS ED 04.0 CR

1	07.00-09.30 PM	T	GYM	204	ZIMMERMAN

CROSSLISTED WITH PEM 509

525 READINGS 01.0 TO 06.0 CR
PREREQ CONSENT OF INSTR AND DEPT CHAIRMAN
1 TO BE ARRANGED

599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

600 DISSERTATION 02.0 TO 48.0 CR
1 TO BE ARRANGED

Physics (PHYS)

111C COLLEGE PHYSICS 03.0 CR
PREREQ MATH 111B OR H S EQUIV

1	02.00	TWTHF	PARK	308	ZIMMERMAN J R
2	02.00	MTWTH	PARK	308	

112C COLLEGE PHYS LAB 01.0 CR
PREREQ CONCURRENT ENR IN PHYS 111

1	03.00-05.50	W	PHY SC	407	HAAK RICHARD A
2	06.00-08.50 PM	M	PHY SC	407	HAAK RICHARD A

206A COLLEGE PHYSICS 03.0 CR
PREREQ MATH 111B

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  1    08.00            M W  F    PARK     309  CUTNELL JOHN D
       08.00               TH     PARK     309
  2    08.00            MTW  F    PARK     309
)6B  COLLEGE PHYSICS                  03.0 CR
     PREREQ   PHYS 206A CR 206C
  1    12.00             T        PARK     309
       12.00            M W  F    PARK     309
)6C  COLLEGE PHYSICS                  03.0 CR
     PREREQ   PHYS 206B CR 206A
  1    11.00            M W  F    PARK     308
       11.00               TH     PARK     301
  2    11.00            M W  F    PARK     308
       11.00             T        PARK     301
  3    12.00            M W  F    PARK     308  PEARSON EDWIN F
       12.00             T        PARK     308
  4    12.00            M W  F    PARK     308  PEARSON EDWIN F
       12.00               TH     PARK     308
7A  COLLEGE PHYS LAB                  01.0 CR
     PREREQ   CONCURRENT ENR IN PHYS 206
  1    10.00-12.50         TH     PHY SC  403
  2    10.00-12.50       T        PHY SC  403
7B  COLLEGE PHYS LAB                  01.0 CR
     PREREQ   CONCURRENT ENR IN PHYS 206
  1    08.00-10.50         TH     PHY SC  405
7C  COLLEGE PHYS LAB                  01.0 CR
     PREREQ   CONCURRENT ENR IN PHYS 206
  1    10.00-12.50       T        PHY SC  407
  2    10.00-12.50         TH     PHY SC  407
  3    02.00-04.50         TH     PHY SC  407
  4    03.00-05.50       T        PHY SC  407
1A  UNIVERSITY PHYSICS                05.0 CR
     PREREQ   MATH 150B (OR EQUIVALENT)
  1    03.00            M W  F    PARK     308
       03.00             T TH     PARK     308
       06.00-07.50 PM    T        PHY SC  403
  2    03.00            M W  F    PARK     308
       02.00             T TH     PARK     301
       03.00-04.50       T        PHY SC  403
  3    03.00            M W  F    PARK     308  CARRELL
       03.00             T TH     PARK     309
       04.00-05.50         TH     PHY SC  403
1B  UNIVERSITY PHYSICS                05.0 CR
     PREREQ   PHYS 211A CR 211C
  1    09.00            M W  F    PARK     308  SAPOROSCH
       01.00-02.50        W       PHY SC  405
       10.00             T TH     PARK     309
  2    09.00            M W  F    PARK     308  SAPOROSCH
       09.00             T TH     PARK     309
       01.00-02.50         TH     PHY SC  405
  3    09.00            M W  F    PARK     308  SAPOROSCH
       09.00             T TH     PARK     308
       01.00-02.50       T        PHY SC  405
1C  UNIVERSITY PHYSICS                05.0 CR
     PREREQ   PHYS 211A CR 211B
  1    08.00            M W  F    PARK     308
       08.00-09.50              S  PHY SC  407
       08.00             T TH     PARK     308
  2    08.00            M W  F    PARK     308
       08.00-09.50       T        PHY SC  407
       10.00             T TH     PARK     308
  3    08.00            M W  F    PARK     308
       08.00-09.50         TH     PHY SC  407
       11.00             T TH     PARK     308
  4    01.00            M W  F    PARK     308
       02.00-03.50      M        PHY SC  407
       01.00             T TH     PARK     308
  5    01.00            M W  F    PARK     308
       01.00-02.50       T        PHY SC  407
       06.00       PM    T TH     PARK     309
)3(  UNIVERSITY PHYS IV               05.0 CR
     PREREQ   PHYS 111 206 OR PHYS 211
  1    03.00            MTW  F    PHY SC  218  MARSHALL LAURISTON
       04.00             T        PHY SC  404
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          04.00-05.50          W        PHY SC  404
    2     03.00              MTW  F     PHY SC  218   MARSHALL LAURIS
          04.00                T        PHY SC  404
          03.00-04.50            TH     PHY SC  404
301   MECHANICS                          03.0 CR
       PREREQ   MATH 305A CR CONS INSTR + PHYS
                111A OR 206A CR 211A
    1     11.00              M W  F     PARK    309   CARRELL JOHN CH
307   ELEC MEAS                          02.0 CR
       PREREQ   PHYS 305B CR CONCURRENT ENR IN
                PHYS 305B
    1     02.00-04.50          T TH     PHY SC  406   ARVIN
312   ELEC CIRC LAB                      02.0 CR
       PREREQ   PHYS 309
    1     08.00-10.50          T TH     PHY SC  406   CUTNELL
404B  PHYSICAL ELECTRONIC                03.0 CR
       PREREQ   PHYS 404A
    1     01.00              M W  F     PHY SA  258   ZITTER ROBERT
405   ELECTRONICS                        03.0 CR
       PREREQ   PHYS 305 AND 309 OR CONSENT OF
                INSTR
    1     10.00              M W  F     PHY SC  406   WATSON RICHARD LV
410B  INTRO TO EM WAVE TH                03.0 CR
       PREREQ   PHYS 410A
    1     11.00              M W  F     PHY SA  258
415A  MODERN PHYSICS                     03.0 CR
       PREREQ   MATH 407, PHYS 301 + 305B, OR
                CONSENT OF INSTR
    1     10.00              M W  F     PARK    309   SULLIVAN JOHN
415D  MODERN PHYSICS                     03.0 CR
       PREREQ   PHYS 415C
    1     09.00              M W  F     PARK    301   CHANG-FANG CHU-H
418   MOD PHYSICS LAB          01.0 TO 04.0 CR
    1     TO BE ARRANGED                               ZITTER ROBERT
420   SPECIAL PROJECTS I       02.0 TO 05.0 CR
       PREREQ   PHYS 301 AND 305
    1     TO BE ARRANGED
449C  SERV INST-PHYS TEAC                01.0 CR
    1     09.00-11.50              S     PARK    301   NICKELL WM E
504C  X-RAY DIFF LAT DYN                 04.0 CR
       PREREQ   PHYS 504B
    1     11.00              M W        TECH B  109   CANUT MARISA
          10.00-11.50          TH       TECH B  109
510C  CLASSICAL MECHANICS                03.0 CR
       PREREQ   PHYS 510B
    1     08.00              M W  F     PARK    301   SULLIVAN
511C  MATH METH OF PHYS                  03.0 CR
       PREREQ   PHYS 511B
    1     09.00              M W  F     PHY SA  258
520   SPECIAL PROJECTS         02.0 TO 05.0 CR
       PREREQ   CONSENT OF INSTR
    1     TO BE ARRANGED
530C  ELECTROMAG THEORY                  03.0 CR
       PREREQ   PHYS 530B
    1     11.00              M W  F     PHY SC  410
531C  QUANTUM MECHANICS                  03.0 CR
       PREREQ   PHYS 531B
    1     10.00              M W  F     PARK    301
532C  ADV QUANTUM MECH                   03.0 CR
       PREREQ   PHYS 532B
    1     11.00              M W  F     PARK    301
550C  AT AND MOL SPECTRA                 03.0 CR
       PREREQ   PHYS 550B
    1     12.00              M W  F     PHY SC  410
560C  STAT MECHANICS                     03.0 CR
       PREREQ   PHYS 560B
    1     09.00              M W  F     PHY SC  410
570C  SOLID STATE PHYS                   03.0 CR
       PREREQ   PHYS 570B
    1     10.00              M W  F     PHY SC  410
575   GRAD SEMINAR             01.0 TO 04.0 CR
    1     TO BE ARRANGED
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0   SEL TOPICS PHYS          03.0 TO 06.0 CR
  1   TO BE ARRANGED                              KLEIN WILLIAM R
0   THESIS                   01.0 TO 09.0 CR
  1   TO BE ARRANGED
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ysiology (PHSL)

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0   HUMAN ANATOMY                        04.0 CR
  1   01.00              MTWTH    LS I      16  MICKUS
0N  HUMAN ANATOMY                        05.0 CR
  1   11.00              MTWTH    LS I      16
      08.00-09.50            F    LS I      18
  2   11.00              MTWTH    LS I      16  FOOTE FLORENCE
      10.00-11.50            F    LS I      18
  3   11.00              MTWTH    LS I      16  FOOTE FLORENCE
      08.00-09.50              S  LS I      18
5C  ADV COLLEGE PHSL                     05.0 CR
    PREREQ   GSA 2018 AND 5 HRS CHEM
  1   08.00              M W  F   LS I     113  KAPLAN H M
      08.00-09.50         T TH    LS I     113
0C  ADVANCED ANATOMY                     05.0 CR
  1   02.00-03.50        M WTHF   LS I      18  FOOTE FLORENCE
5B  EXP ANIMAL SURGERY                   04.0 CR
  1   10.00-11.50        M W  F   LS I     118  KAPLAN H M
0C  CELLULAR PHYSICLOGY                  04.0 CR
  1   09.00              M W  F   AG       148  DUNAGAN TOMMY TOLSON
      02.00-03.50         T       LS I     120  DUNAGAN TOMMY TOLSON
0   SPECIAL PROBLEMS       04.0 TO 16.0 CR
    PREREQ   CONSENT OF DEPT
  1   02.00-03.50        M W  F   LS I     111
      08.00-09.50              S  LS I     111
0C  MAMMALIAN PHSL                       04.0 CR
    PREREQ   ADEQUATE TRAINING IN BIO SCIEN
             CES AND CHEM
  1   08.00              M W  F   LS I     113  KAPLAN H M
      08.00-09.50         T TH    LS I     113
4C  BIOPHYS INST                         03.0 CR
    PREREQ   PHSL 4718
  1   04.00               T THF   STAD       5  RICHARDSON ALFRED W
0   ADV SEMINAR            01.0 TO 09.0 CR
  1   10.00                    S  LS I      16  RICHARDSON ALFRED W
0   EXPER ENDOCRINOLOGY                  03.0 CR
  1   11.00              M W      AG       148  GASS GEORGE HIRAM
      10.00-11.50              F  LS I     120  GASS GEORGE HIRAM
5   PHYSIOLOGY READINGS    01.0 TO 06.0 CR
    PREREQ   CONSENT OF DEPT
  1   TO BE ARRANGED
5B  ADV COMPAR PHYSICL                   04.0 CR
    PREREQ   PHSL 540A
  1   01.00              M W  F   AG       148  MILLER DONALD M
      02.00-03.50        M        LS I     120  MILLER DONALD M
5   RADIATION BIOLOGY                    03.0 CR
    PREREQ   GEN PHYSICS AND BIOCHEM OR
             EQUIV
  1   08.00               T TH    LS I      16  DUNAGAN TOMMY TOLSON
      02.00-03.50           TH    LS I     120  DUNAGAN TOMMY TOLSON
6   BIOPHYSICS                           03.0 CR
    PREREQ   1 YR OF PHYSICS
  1   09.00              M W  F   AG       220  RICHARDSON ALFRED W
9   THESIS                 03.0 TO 09.0 CR
  1   03.00-04.50        MTWTHF   LS I     111
0   DISSERTATION           04.0 TO 36.0 CR
  1   03.00-04.50        MTWTHF   LS I     111
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sidents Scholars (PR S)

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5C  HONORS SEMINAR                       03.0 CR
  1   TO BE ARRANGED                              N
9   HONORS PAPER           02.0 TO 06.0 CR
    PREREQ   APPROVAL OF PRES SCHOL PROG +
             DEPT CONCERNED
  1   TO BE ARRANGED
9   UNDERGRAD HON THES     03.0 TO 09.0 CR
    PREREQ   APPROVAL OF PRES SCHOL PROG +
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DEPTS CONCERNED
1 TO BE ARRANGED

Plant Industries (PL I)

109 PRIN-FIELD CROP PRC 04.0 CR
1 09.00 M THF AG 166 ELKINS DONALD
08.00-09.50 W AG 171 ELKINS DONALD
2 09.00 M THF AG 166 ELKINS DONALD
11.00-12.50 W AG 171 ELKINS DONALD

301 SOIL SCIENCE 05.0 CR
PREREQ GSA 101B
1 11.00 M WTHF AG 168 CASTER
10.00-11.50 T AG 167
2 11.00 M WTHF AG 181 JONES
08.00-09.45 W AG 167

304 LANDSCAPE GARDENING 03.0 CR
1 01.00 M F AG 154 COORTS GERALD
01.00-02.50 T AG 195
2 01.00 M F AG 154
01.00-02.50 TH AG 195

315 PLANT GENETICS 04.0 CR
PREREQ GSA 201B
1 02.00 TW F AG 168 MYERS
01.00-02.50 M AG 171 MYERS

347 GARDEN FLOWERS 03.0 CR
PREREQ GSA 201B CR CONSENT OF DEPARTMENT
1 10.00 M F AG 170 COORTS GERALD
10.00-11.50 W AG 187

381 AGRIC SEMINAR 01.0 CR
PREREQ SENIOR STANDING
1 04.00 T AG 168

390 SPEC STUD PLANTS 01.0 TO 06.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 09.00-11.50 S AG 171

402 SOIL MORPH + CLASS 04.0 CR
PREREQ PL I 301
1 08.00 MT TH AG 168 JONES JOE H
08.00-09.50 F AG 167 JONES JOE H

403 SOIL CHEMISTRY 04.0 CR
PREREQ PL I 301
1 01.00 MT F AG 181 CASTER
01.00-02.50 W AG 167

407A SOIL FERTILITY 03.0 CR
PREREQ ONE COURSE IN SOILS
1 03.00 M W F AG 166 SATCHELL

407B SOIL FERTILITY 02.0 CR
PREREQ PL I 407A CR CONSENT OF DEPT
1 02.00-04.50 TH AG 167 SATCHELL
2 02.00-04.50 T AG 167 SATCHELL

418 WEEDS-THEIR CONTROL 04.0 CR
PREREQ GSA 201B CR CONCURRENT ENROLLMENT
1 12.00 M W AG 166 LEASURE JOHN
01.00 T AG 171
08.00-09.50 TH AG 171
2 12.00 M W AG 166 LEASURE JOHN
02.00 T AG 171
12.00-01.50 TH AG 171
3 12.00 M W AG 166
03.00 T AG 171
03.00-04.50 TH AG 171

419 FORAGE CROP MANAGE 04.0 CR
PREREQ GSA 201B CR EQUIVALENT
1 04.00 M W F AG 214 ELKINS DONAL M
08.00-09.50 T AG 171
2 04.00 M W F AG 214 ELKINS
11.00-12.50 T AG 171

437 COMMER VEGET PROD 04.0 CR
PREREQ PL I 264 CR CONSENT OF DEPARTMENT
1 02.00 M W F AG 181 HILLYER IRVI GEO
02.00-03.50 T AG 181

20 READINGS 01.0 TO 06.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
'5 RESEARCH 01.0 TO 06.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
1 SEMINAR 01.0 CR
1 04.00 T AG 181 JONES JOE H
9 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

ychology (PSYC)

1A PRIN-METH OF PSYC 04.0 CR
PREREQ GSB 201C
1 08.00 M W F AG 214 RADTKE ROBERT C
08.00-09.50 T PULL 43
2 08.00 M W F AG 214 RADTKE ROBERT C
08.00-09.50 TH PULL 43
3 03.00 M W F WHAM 308 LEVENTHAL
03.00-04.50 TH AG 224
4 03.00 M W F WHAM 308 LEVENTHAL
03.00-04.50 T AG 224
1B PRIN-METH OF PSYC 04.0 CR
PREREQ 211A
1 09.00 M THF AG 224 IRWIN
08.00-09.50 T PULL 39
2 09.00 M THF AG 224 IRWIN
08.00-09.50 PM W PHY SA 358
3 01.00 M W F LAWSON 101 GETTYS
01.00-02.50 T AG 224
4 01.00 M W F LAWSON 101 GETTYS
01.00-02.50 TH AG 224
CHILD PSYCH 04.0 CR
PREREQ GSB 201C
1 08.00 M WTHF WHAM 302 SOMMERVILL, JOHN
2 03.00 MT THF AG 214 C DONNELL, JAMES
ADOLESCENT PSYCH 04.0 CR
PREREQ GSB 201C
1 01.00-02.50 M W LAWSON 221 WENDT RACHEL
2 01.00-02.50 T TH LAWSON 221 WENDT, RACHEL
PSYCH PERSONALITY 04.0 CR
PREREQ GSB 201C
1 09.00 MTWTH PULL 38 FNATIOW
2 12.00 M WTHF AG 214 BOOR, MYRON
3 04.00 MTWTH LAWSON 101 BUCK
SOCIAL PSYCHOLOGY 04.0 CR
PREREQ GSB 201C
1 10.00 TWTHF WHAM 308 DOWNING
2 12.00 MTW F LAWSON 101 RYWICK
EXP PSYCH LEARN 04.0 CR
PREREQ PSYC 211B
1 11.00 TW F AG 224 SCHMECK
10.00-11.50 M 0720 104
2 04.00 M WTH AG 148 EVANSON
03.00-04.50 T AG 222
EXP PSYC MOTIV 04.0 CR
PREREQ PSYC 211B
1 09.00 M W F 0875 102 MCHOSE
09.00-10.50 T 0875 102
2 02.00 M W F AG 224 SCHMECK
02.00-03.50 T AG 220
INDUSTRIAL PSYCH 04.0 CR
PREREQ GSB 201C
1 09.00-10.50 T TH PHY SC 218 HILL JAMES W
2 11.00 MT THF LAWSON 131 WESTBERG WILLIAM C
9A RES + INV - HONORS 01.0 TO 09.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 10.00-11.50 W AG 222 EHRENFREUND DAVID
OFFERED THIS QUARTER FOR ONE CREDIT ONLY
9B RES + INV - HONORS 01.0 TO 12.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 10.00-11.50 T COMM 1021 EHRENFREUND DAVID

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      OFFERED THIS QUARTER FOR FOUR CREDITS
      ONLY
407   TH OF LEARNING                    04.0 CR
       PREREQ   PSYC 211B CR CONSENT OF INSTR
    1    10.00-11.50       T TH     AG       220  MCHOSE JAMES HA
414   ADV IN PHSL PSYCH                 04.0 CR
       PREREQ   314 CR CONSENT OF INSTRUCTOR
                GRADS BY CON OF INSTR
    1    10.00-11.50       M  TH    TECH B   20  LEVITT
431   PSYCOPATHOLOGY                    04.0 CR
       PREREQ   305 CR CONSENT OF INSTR
    1    10.00-11.50       T   F    0862     101  SNYDER
      CLASS MTS TU IN 0875 RM 101,FRI IN 0875
      RM 102
440   TH OF PERSONALITY                 04.0 CR
       PREREQ   PSYC 305 CR CONSENT OF INSTR
    1    09.00             MT THF   WHAM     302  SCHILL
451   ADVACED CHILD PSYC                04.0 CR
       PREREQ   PSYC 211B, AND 301 OR CONSENT
                OF INSTRUCTOR
    1    10.00-11.50       T TH     ARENA    121  SOMERVILL
461   ADV SOCIAL PSYCH                  04.0 CR
       PREREQ   PSYC 307 CR CONSENT OF INSTR
    1    10.00-11.50       T        TECH A   220  MITCHELL
         10.00-11.50           F    WHAM     208
490   INDEPEN PROJECTS        01.0 TO 16.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
    1    TO BE ARRANGED
495   SELECTED TOPICS         01.0 TO 18.0 CR
       PREREQ   CONSENT OF DEPT
    1    00.00-00.00
509   INSTRUMENTATION                   04.0 CR
       PREREQ   CONSENT OF INSTR
    1    08.00-09.50       M        WHAM     137  MELTZER
         08.00-09.50           TH   AG       222  MELTZER DONALD
512   SENSORY PROCESSES                 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    02.00-03.50       M  TH    PHY SC   410  LIT ALFRED
522   RES DES + INFER III               04.0 CR
       PREREQ   MATH 410B CR 411
    1    10.00             M    F   AG       224  EVANSON
         09.00-10.50            W   AG       224
532   EXP APP TO PERS                   02.0 CR
       PREREQ   PSYC 530 CR CONSENT OF DEPT
    1    11.00                W  F   AG       150  SCHILL
533   EXPER PSYCHOPATH                  03.0 CR
       PREREQ   CONSENT OF INSTR
    1    03.00-04.50       T        AG       218  RINGUETTE EUGE L
         03.00                  F   AG       218  RINGUETTE EUGE L
537   COUNS PSYCHOTHERAPY               04.0 CR
       PREREQ   PSYC 530 AND CONSENT OF INSTR
    1    01.00-02.50       W  F   WHAM     212  RADER GORDON
538   GROUP PSYCHOTHERAPY               02.0 CR
       PREREQ   PSYC 537 AND CONSENT OF INSTR
    1    10.00-11.50       M        AG       218  HARREN VINCENT A
556   PSYCH TREAT CHILD                 02.0 CR
       PREREQ   PSYC 451 CR CONSENT OF INSTR
    1    03.00-04.50       W        AG       218  CDONNELL JAME P
561   SOC INFL PROCESSES                04.0 CR
       PREREQ   PSYC 461 CR CONSENT OF INSTR
    1    08.00-09.50       T TH     TECH A   120  RADTKE
571   IND MOT AND MORALE                04.0 CR
       PREREQ   PSYC 320 CR CONSENT OF INSTR
    1    01.00-02.50       W  F   PHY SC   410  HILL
576   HUMAN ENGINEERING       02.0 TO 04.0 CR
       PREREQ   PREREQ 512,581,CR CONSENT OF I
                NST.
    1    10.00-11.50       W  F   AG       218  LIT ALFRED
590   READINGS-PSYC           01.0 TO 16.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
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1   RESEARCH IN PSYC          01.0 TO 36.0 CR
     PREREQ   CONSENT OF DEPT
  1    TO BE ARRANGED
3E  PRACT-CLIN PSYC           01.0 TO 18.0 CR
     PREREQ   CONSENT OF INSTR IN CHARGE
  1    TO BE ARRANGED                                  RADER
    SEC 1 FOR ADVANCED STUDENTS
  2    TO BE ARRANGED                                  BEKKER
  3    01.00-02.50          TH     0481     202       RINGUETTE
  4    01.00-02.50          TH     0481     202       RAFFERTY JANET
3F  PRACT-COUNS PSYC          01.0 TO 18.0 CR
     PREREQ   CONSENT OF INSTR IN CHARGE
  1    TO BE ARRANGED                                  HARREN VINCENT A
3H  PRACT-INDUST PSYC         01.0 TO 18.0 CR
     PREREQ   CONSENT OF INSTR IN CHARGE
  1    TO BE ARRANGED                                  WESTBERG WILLIAM C
3J  PRACT-CHILD PSYC          01.0 TO 18.0 CR
     PREREQ   CONSENT OF INSTR IN CHARGE
  1    TO BE ARRANGED                                  C DONNELL, JAMES
3L  PRACT-TEACHING PSYC       01.0 TO 18.0 CR
     PREREQ   CONSENT OF INSTR IN CHARGE
  1    TO BE ARRANGED                                  CARRIER NEIL ALAN
5   ADVANCED SEMINAR          01.0 TO 18.0 CR
     PREREQ * CONSENT OF DEPT
  1    TO BE ARRANGED
  2    TO BE ARRANGED                                  MELTZER DONALD
  3    TO BE ARRANGED                                  HNATIOW
  4    TO BE ARRANGED                                  PURCELL
  5    TO BE ARRANGED                                  BRODSKY
  6    TO BE ARRANGED                                  GETTYS
  7    TO BE ARRANGED                                  VAN ATTA
  8    01.00-02.50       M W       WHAM     137       MITCHELL THOMAS O
  9    04.00-07.00        T        COMM     1017      LEVITT ROBERT A
5   THESIS                    01.0 TO 09.0 CR
  1    TO BE ARRANGED
6   DISSERTATION              01.0 TO 45.0 CR
  1    TO BE ARRANGED
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Radio-Television (R - T)

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1   RADIO-TV SPEAKING                 04.0 CR
  1    11.00             MTWTH     COMM    1016      RICHTER
  2    03.00             MTWTH     COMM    1016      LYNCH
2   SURVEY OF BROADCAST               03.0 CR
  1    03.00             M W  F    COMM    1046      BARTLETT BYRON A
2   PRODUCTION ANALYSIS               03.0 CR
  1    09.00             MT TH     COMM    1046      DYBVIG HOMER EUGENE
2   AUDIO CONTROL PRACT               01.0 CR
  1    12.00              T        COMM    1016      HALL
  2    12.00-01.50          TH     COMM    1016      HALL
3   RADIO - TV NEWS                   03.0 CR
     PREREQ   JRNL 103, 201, 202 AND 303
  1    01.00             M W  F    COMM    1016      DUGAS PAUL JOSEPH
3   PROGS AND AUDIENCES               05.0 CR
     PREREQ   R-T 251
  1    02.00             MTWTHF    COMM    1046      DYBVIG
3   LAWS AND POLICIES                 04.0 CR
     PREREQ   R-T 251
  1    10.00             MTWTH     COMM    1046      RIMERMAN MARVIN H
3   TV ANNOUNCING                     03.0 CR
     PREREQ   R-T 161 PASSED WITH A MINIMUM
              GRADE OF C
  1    04.00             M W  F    COMM    1051
3   RADIO PRODUCTION                  04.0 CR
     PREREQ   R-T 260
  1    10.00-11.50            F    COMM    1016      RICHTER E WALTER
       07.00-10.00 PM       TH     COMM    1016      RICHTER E WALTER
3   TV PRODUCTION                     04.0 CR
     PREREQ   R-T 252
  1    09.00             M WTH     COMM    1015      PICTOR ROBERT R
       09.00-10.50        T        COMM    1015      PICTOR ROBERT R
  2    09.00             M WTH     COMM    1015      PICTOR ROBERT R
       09.00-10.50            F    COMM    1015      PICTOR ROBERT R
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369   TV DIRECTING                          04.0 CR
       PREREQ   R-T 364
    1    08.00              T TH    COMM   1015  ROCHELLE DAVID
         TO BE ARRANGED
370   TELEVISION FILMS                      02.0 CR
    1    12.00-01.50          TH    COMM   1046  MENDENHALL HARL
371   TV STAGING                            03.0 CR
       PREREQ   R-T 364 CR CONSENT OF INSTR
    1    04.00              T TH    COMM    52C WALKER MYERS B
         07.00-09.30 PM     T       COMM    52C WALKER MYERS B
373   ADV RADIO PROD LAB      01.0 TO 02.0 CR
       PREREQ   R-T 363 CR CONCURRENT ENRIN
                R-T 363
    1    04.00              T TH    COMM   1046  LYNCH CHARLES T
374   ADV TV PROD LAB          01.0 TO 02.0 CR
       PREREQ   R-T 364
    1    05.00              M       COMM   1046  LAFFERTY REN A
375J  IND RESEARCH PROBS      01.0 TO 02.0 CR
       PREREQ   CONSENT OF INSTR
    1    11.00                TH    COMM   1046  RIMERMAN MARVIN
377   R-TV ADVERTISING                      03.0 CR
       PREREQ   JRNL 370 AND 371
    1    04.00              M W  F  COMM   1046
383   BROADCAST WRITING                     04.0 CR
       PREREQ   R-T 363 AND 364
    1    08.00              M W     COMM   1016  LYNCH CHARLES T
         08.00-09.50          F     COMM   1016  LYNCH CHARLES T
393   RADIO-TV + SOCIETY                    03.0 CR
       PREREQ   R-T 251, 351, 352
    1    11.00              M W  F  COMM   1046  RIMERMAN MARVIN
453   RADIO-TV IN EDUC                      03.0 CR
    1    12.00              M W  F  COMM   1046  RICHTER E WALTE
467   RADIO-TV PROD SURV                    03.0 CR
    1    01.00              M W  F  COMM   1046  RIMERMAN MARVIN
475   INDIV PRODUCT PROB      01.0 TO 04.0 CR
    1    01.00               T      COMM   1046  ROBBINS
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Recreation and Outdoor Education (REC)

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201   LEISURE AND REC                       03.0 CR
    1    08.00              M W  F  WHAM    205  CBRIEN WILLIAM
202   PROG IN REC                           03.0 CR
       PREREQ   REC 201
    1    09.00              M W  F  0720    105  CBRIEN WILLIAM
301   OUTDOOR EDUCATION                     04.0 CR
    1    10.00-11.50        M W     0720    105
    2    02.00-03.50         T TH   ARENA   123
302   INSTITUTIONAL REC                     03.0 CR
    1    06.00-07.15 PM      T TH   H C     202  GIDECN CHARLES
310   SOCIAL RECREATION                     03.0 CR
       PREREQ   REC 201, 2C2
    1    01.00-02.50         T TH   LS I    323  LUCKENBACH
320   NATURE INTERPRET                      03.0 CR
    1    09.00-11.50             S  H EC    102
325   LEISURECRAFTS                         03.0 CR
       PREREQ   REC 201, 2C2
    1    07.00-08.15 PM  M W        H C     202  TAYLCR
330   CAMPCRAFT                             03.0 CR
    1    09.00-15.00             S  TECH A  320  ABERNATHY
340   REC ACT FOR SP POP                    03.0 CR
       PREREQ   REC 302
    1    01.00              M W  F  0720    102
360   PLAYGND ADMIN                         04.0 CR
    1    TO BE ARRANGED                                RIDINGER
365   ORG ADMIN-COMM REC                    04.0 CR
       PREREQ   REC 201, 2C2, AND 15 HRS IN
                REC
    1    10.00              M W     PARK    308  CBRIEN WILLIAM
         10.00               T TH   PARK    111
368   CAMP MGT                              04.0 CR
       PREREQ   REC 201, 2C2, AND 15 HRS IN
                REC
    1    06.30-09.00 PM       TH    H EC    201
380   FIELD WORK               01.0 TO 04.0 CR
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PREREQ 20HRS RECREATICN
1 TO BE ARRANGED ABERNATHY
90 INTERNSHIP IN REC 16.0 CR
PREREQ CONSENT CF DEPARTMENT
1 TO BE ARRANGED ABERNATHY
25 REC AREAS AND FAC 03.0 CR
1 02.00 M WTH WHAM 112 ABERNATHY WILLIAM
00 PRIN OF REC 04.0 CR
1 06.30-09.00 PM T H EC 106 RIDINGER WILLIAM H
10 OUTDOOR ED WKSHP 04.0 CR
1 06.30-09.00 PM M H EC 106
25 SPEC POP WKSHOP 04.0 CR
1 06.30-09.00 PM W H EC 120 FREEBURG WM H
30 REC PROGRAM WORKSHP 04.0 CR
PREREQ REC 500
1 06.30-09.00 PM M H EC 118 RIDINGER
40 SURV + PLAN OF FAC 04.0 CR
1 06.30-09.00 PM T H EC 120 TAYLOR
70 SEM-REC + OUT ED 04.0 CR
1 06.30-09.00 PM M H EC 120 FREEBURG WM H
96 INDEPENDENT STUDY 02.0 TO 09.0 CR
1 TO BE ARRANGED TAYLCR LOREN ESTEN

ehabilitation (REHB)

14 DEV EMP OPPORT 01.0 TO 16.0 CR
PREREQ SPECIAL STANDINC OR CONSENT OF INSTR
1 TO BE ARRANGED VIECELI
90 READINGS IN REHB 01.0 TO 06.0 CR
PREREQ CONSENT CF INSTR
1 TO BE ARRANGED
01C REHB ADMINISTRATICN 02.0 CR
PREREQ CONSENT CF INSTR
1 09.00-10.50 S WHAM 317 LEE ROBERT EDWARD
03 CASE MGT IN REHAB 02.0 CR
PREREQ CONSENT CF INSTRUCTOR
1 10.00-11.50 W WHAM 305
31 VOCATIONAL APPRAIS 02.0 CR
PREREQ REHB 511 CR CONSENT OF INSTRUCTCR
1 10.00-11.30 F WHAM 305
35 SCH OF REINFORCE 04.0 CR
PREREQ REHB 533
1 03.00-04.50 W F WHAM 328 CAMPBELL ROBERT L
46A IND ASSESS IN REHB 04.0 CR
PREREQ REHB 532, + CONSENT OF INSTRUCTOR
1 02.00-03.50 W WHAM 319
02.00-03.50 F WHAM 206
52 REHB COUNSELING RES 04.0 CR
PREREQ REHB 551
1 05.45-09.15 M LAWSON 201 GRENFELL
58 PRO INST AND BEHAV 04.0 CR
PREREQ REHB 520 CR 485 OR CONSENT OF INSTRUCTOR
1 01.00-02.50 W WHAM 312 SANDERS RICHARD M
01.00-02.50 F WHAM 137
71 PSYC-SOC ASPECT-DIS 03.0 CR
PREREQ CONSENT CF DEPARTMENT
1 09.00-04.30 MTWTHFS 0406 101 GARDNER
MEETS APRIL 27 - MAY 2
93 AVER CONTR + AG BEH 04.0 TO 08.0 CR
PREREQ REHB 526
1 07.35-09.15 PM T TH WHAM 312 AZRIN NATHAN H
95 VERBAL BEHAVIOR 04.0 CR
PREREQ CONSENT CF INSTR
1 03.00-04.50 M W ABBOTT 129 HOPKINS BILLY L
91 SEM IN SEL TOPICS 01.0 TO 06.0 CR
PREREQ CONSENT CF DEPT
1 TO BE ARRANGED
96 SEM IN BEHAV MODIFI 03.0 CR
PREREQ CONSENT CF INSTR
1 10.00-11.50 W ABBOTT 129 SULZER EDWARD S

578 SEM IN CORR REH CO 02.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED TWOMEY JOHN F
585A PRACTICUM IN REHAB 01.0 TO 12.0 CR
1 TO BE ARRANGED LEE ROBERT EDWAR
585B PRACTICUM IN REHAB 01.0 TO 12.0 CR
1 TO BE ARRANGED HOPKINS BILLY L
585C PRACTICUM IN REHAB 01.0 TO 24.0 CR
1 TO BE ARRANGED GARDNER
589 INTERNSHIP IN REHAB 00.0 TO 12.0 CR
PREREQ REHB 585 AND CONSENT OF DEPT
1 TO BE ARRANGED
590 INDEPENDENT PROJ 01.0 TO 16.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED
591 RESEARCH IN REHAB 01.0 TO 16.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED
599 THESIS 01.0 TO 09.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED

Religious Studies (RELS)

330C HIST WES REL THOUGH 03.0 CR
PREREQ JUNICR STANDING OR CONSENT OF INSTRUCTOR
1 03.00 T THF WHAM 210 SMITH LEMUEL E

Secondary Educdtion (S ED)

310 HIST PRIN OF SEC ED 04.0 CR
PREREQ GUID 305
1 08.00 M WTHF WHAM 326
2 09.00 MTW F WHAM 326
3 10.00 MTW F WHAM 326
4 11.00 MTWTH WHAM 326
5 12.00 M WTHF WHAM 326
6 01.00 MTWTH WHAM 326
7 02.00 M WTHF WHAM 326
8 03.00 MTW F WHAM 326
9 04.00 M WTHF WHAM 326
10 04.00 MTWTH WHAM 319
11 05.45-07.25 M W WHAM 326
12 07.35-09.15 PM M W WHAM 326
315 HIGH SCHOOL METHODS 03.0 CR
PREREQ S ED 310
1 08.00 M W F WHAM 203
2 06.00-07.25 PM T TH WHAM 321
352 SEC STUD TCH 08.0 TO 16.0 CR
1 TO BE ARRANGED
AGRICULTURE
2 TO BE ARRANGED
ART
3 TO BE ARRANGED
BIOLOGY
4 TO BE ARRANGED
BUSINESS
5 TO BE ARRANGED
CHEMISTRY
6 TO BE ARRANGED
ECONOMICS
7 TO BE ARRANGED
ENGLISH
8 TO BE ARRANGED
FOREIGN LANGUAGE
9 TO BE ARRANGED
GENERAL SCIENCE
10 TO BE ARRANGED
GEOGRAPHY
11 TO BE ARRANGED
GOVERNMENT
12 TO BE ARRANGED
HEALTH EDUCATION

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 13    TO BE ARRANGED
   HISTORY
 14    TO BE ARRANGED
   HOME ECONOMICS
 15    TO BE ARRANGED
   INDUSTRIAL EDUCATION
 16    TO BE ARRANGED
   JOURNALISM
 17    TO BE ARRANGED
   MATHEMATICS
 18    TO BE ARRANGED
   MUSIC
 19    TO BE ARRANGED
   MUSIC
 20    TO BE ARRANGED
   PHYSICS
 21    TO BE ARRANGED
   SOCIOLOGY
 22    TO BE ARRANGED
   SOCIAL STUDIES
 23    TO BE ARRANGED
   SPEECH
 24    TO BE ARRANGED
   INSTRUCTIONAL MATERIALS
 25    TO BE ARRANGED
75  READINGS IN S EDUC      02.0 TO 03.0 CR
     PREREQ   CONSENT OF DEPT CHAIRMAN
  1    TO BE ARRANGED                                  SAMFORD CLARENCE D
07A THE JUNIOR HIGH SCH              04.0 CR
  1    02.00            MTWTH     WHAM     328  STEPHENS
40  TEACH READ IN H S                04.0 CR
     PREREQ   GUID 305
  1    09.00            MT THF    WHAM     201  CUSENBERY MIRIAM C
  2    12.00            MTWTH     WHAM     328
87  TCH NAT SCI-SEC SCH              04.0 CR
  1    06.30-09.00 PM      TH     PULL     304  HUNGERFORD HAROLD R
88  SOC ST IN SEC SCH                03.0 CR
     PREREQ   GUID 305
  1    11.00            M W  F    WHAM     201  SAMFORD
06  READING IN SEC SCH               04.0 CR
     PREREQ   S ED 352 OR TEACHING
              EXPERIENCE
  1    06.30-09.30 PM   M          WHAM     144
07  READINGS IN READING     02.0 TO 04.0 CR
     PREREQ   CONSENT OF INSTR
  1    TO BE ARRANGED
09  PRACTICUM IN RD          04.0 TO 08.0 CR
     PREREQ   S ED 521C
  1    TO BE ARRANGED                                  HILL
14  ORG + ADMIN RD PROG              04.0 CR
  1    06.30-09.00 PM     W       WHAM     144
16  INTERN IN READING       04.0 TO 12.0 CR
     PREREQ   S ED 509 AND 514
  1    TO BE ARRANGED                                  HILL + FISHCO
1C  DIAG-CORR READ DIS               04.0 CR
     PREREQ   505 OR 44C OR CONCURRENT REG
              WITH 505 + TEACH EXPER
  1    09.00-11.30            S   WHAM     144
52  HIGH SCH CURRICULUM              04.0 CR
     PREREQ   1 GRAD COURSE IN CURRICULUM
  1    06.30-09.00 PM      TH     WHAM     326
51  DOC SEM-CURR + INST              04.0 CR
     PREREQ   DOCTORAL STUDENTS ONLY
  1    03.30-06.00      M          WHAM     328  BUSER ROBERT L
55A IND RES-CURRICULUM       02.0 TO 04.0 CR
  1    TO BE ARRANGED                                  SAMFORD CLARENCE D
55B IND RES-SUPERVISION      02.0 TO 04.0 CR
  1    TO BE ARRANGED                                  SAMFORD CLARENCE D
55C IND RES-LANG ARTS        02.0 TO 04.0 CR
  1    TO BE ARRANGED
55D IND RES-SCIENCE          02.0 TO 04.0 CR
  1    TO BE ARRANGED
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575E IND RES-READING 02.0 TO 04.0 CR
1 TO BE ARRANGED
575F IND RES-SOC STUDIES 02.0 TO 04.0 CR
1 TO BE ARRANGED SAMFORD CLARENCE
575G IND RES-SEC EDUC 02.0 TO 04.0 CR
1 TO BE ARRANGED
575K IND RES-JR H METHOD 02.0 TO 04.0 CR
1 TO BE ARRANGED
591 WKSHP-PROB SEC ED 04.0 CR
PREREQ CONSENT OF INSTR
1 06.30-09.00 PM M WHAM 301B
596 INDEPENDENT INVEST 05.0 TO 09.0 CR
1 TO BE ARRANGED
599 THESIS 03.0 TO 09.0 CR
1 TO BE ARRANGED
600 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED

Secretarial and Business Education (SEC)

201A TYPEWRITING 03.0 CR
1 09.00 MTWTH CL 10
2 02.00 MT THF CL 10 WILLIAMS
201B TYPEWRITING 03.0 CR
PREREQ SEC 201A CR EQUIV
1 03.00 MT THF CL 13 SCHROEDER
201C TYPEWRITING 03.0 CR
PREREQ SEC 201B CR EQUIV
1 11.00 TWTHF CL 13 GARRISON
221A SHORTHAND-TRANS 04.0 CR
1 01.00 MTWTHF CL 17 WILLIAMS
221B SHORTHAND-TRANS 04.0 CR
PREREQ SEC 221A CR EQUIV
1 08.00 MTWTHF CL 10 SCHROEDER
221C SHORTHAND-TRANS 04.0 CR
PREREQ SEC 221B CR EQUIV
1 04.00 MTWTHF CL 17
241 DUPLICATING 01.0 CR
PREREQ SEC 201 CR EQUIV
1 08.00-09.50 F CL 10 CONLEY
2 10.00-11.50 M CL 10 CONLEY
3 02.00-03.50 W CL 10 CONLEY
304 ADV TYPEWRITING 03.0 CR
PREREQ SEC 201C CR EQUIV
1 12.00 MTWTH CL 13 JACOBSON
324A ADV SHORTHAND-TRANS 04.0 CR
PREREQ SEC 221C CR EQUIV
1 10.00 MTWTHF CL 13 RAHE
324B ADV SHORTHAND-TRANS 04.0 CR
PREREQ SEC 324A CR EQUIV
1 11.00 MTWTHF CL 10 BURGER
326 EXECUTIVE SEC PROC 04.0 CR
PREREQ SEC 304
1 09.00 MTWTHF CL 13 BAUERNFEIND
341 OFFICE CALC MCHNS 04.0 CR
1 09.00 MTWTHF CL 17 RAHE HARVES
403 TEACH TYPEWRITING 03.0 CR
PREREQ SEC 304 CR EQUIV
1 06.00-07.25 PM M W CL 13 GARRISON
405 TEACH GEN BUS SUBJ 03.0 CR
1 07.35-09.00 PM T TH CL 17 BUBOLTZ
408 TCH BKPG ACCT /P/ 03.0 CR
PREREQ ACCT 251B CR EQUIV
1 06.00-07.25 PM T TH CL 17 BAUERNFEIND
508 ADMIN + SUPV-BUS ED 04.0 CR
1 09.00-11.30 S CL 10 JACOBSON
525 INTER VOC COOP ED 03.0 CR
PREREQ STUDENT TEACHING
1 09.00-11.30 S TECH D 131
590 READINGS IN BUS ED 02.0 TO 05.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED
591 IND RES IN BUS ED 02.0 TO 05.0 CR
PREREQ CONSENT OF INSTR

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   1    TO BE ARRANGED
99  THESIS                    01.0 TO 09.0 CR
   1    TO BE ARRANGED
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ociology (SOC)

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01  PRINCIPLES OF SOC                  04.0 CR
     PREREQ   JR STANDING
   1    08.00              TWTHF   0862    101
   2    09.00              TWTH    0862    101
        09.00                  F   0720    102
12  ELEM SOC RESEARCH                   04.0 CR
     PREREQ   GSB 201B CR 301 OR CONSENT OF
              INSTRUCTOR
   1    01.00              TWTHF   TECH A  422  RAINEY
32  SOCIAL ORGANIZATION                 04.0 CR
     PREREQ   SOC 301
   1    02.00-03.50        M W     0862    102
51  SOC OF RELIGION                     04.0 CR
     PREREQ   GSB 201B CR SOC 301
   1    02.00              MTWTH   WHAM    308  MCLEAN MILTON D
72  CRIMINOLOGY                         04.0 CR
     PREREQ   GSB 201B CR SOC 301
   1    09.00              MTWTH   0871    102  VANDIVER RICHARD D
74  SOCIOLOGY OF ED                     04.0 CR
     PREREQ   GSB 201B CR SOC 301
   1    10.00-11.50        T TH    WHAM    112
75  SOCIAL WELFARE                      04.0 CR
     PREREQ   GSB 201B CR SOC 301
   1    10.00              TWTHF   AG      154
83  INTROD INTERVIEWING                 04.0 CR
     PREREQ   GSB 201B CR SOC 301
   1    01.00              MT THF  WHAM    112  BRELJE MARTHA ELAINE
   2    04.00              MT THF  0720    118
96  READINGS IN SOC         01.0 TO 05.0 CR
     PREREQ   CONSENT OF INSTR
   1    TO BE ARRANGED
96H HONORS READINGS-SOC     01.0 TO 04.0 CR
     PREREQ   CONSENT OF DEPARTMENT
   1    TO BE ARRANGED
466 SOCIAL CHANGE                       04.0 CR
     PREREQ   GSB 201B CR SOC 301
   1    06.00-09.30 PM  M       WHAM    201  ALIX
   RESERVED FOR SOC MAJORS
466 SOC BEHAVIOR PERS                   04.0 CR
     PREREQ   GSB 321 CR PSYC 305 OR CONSENT
              OF INSTR
   1    11.00-12.50        M W     WHAM    112  ROSSEL ROBERT D
   RESERVED FOR SOC MAJORS
40  SOC OF MEDICINE                     04.0 CR
     PREREQ   SOC 301 OR CONSENT OF INSTRUCT
              OR
   1    10.00-11.50        T       PHY SA  278
        10.00-11.50          TH    AG      224
   RESERVED FOR SOC MAJORS
41  PROC IN SOC WORK                    04.0 CR
     PREREQ   SOC 375 OR CONSENT OF INSTR
   1    03.00              MT THF  0861    101
42  SOC WK-SEL AGENCIES                 03.0 CR
     PREREQ   SOC 481 AND CONSENT OF INSTR
   1    02.00              M       WHAM    212  BRELJE MARTHA ELAINE
        02.00              T       CL       25
43  PROB IN CORRECTIONS                 04.0 CR
     PREREQ   SOC 472 OR CONSENT OF INSTR
   1    TO BE ARRANGED
49  INDEP STUDY COM DEV     01.0 TO 05.0 CR
     PREREQ   CONSENT OF INSTR
   1    TO BE ARRANGED                          THOMAS RICHARD M
41  COMMUNITY DEVEL                     04.0 CR
     PREREQ   4 HRS SOC OR CONSENT OF INSTR
   1    TO BE ARRANGED                          THOMAS RICHARD
41E INDEPT STUDY CORRS      02.0 TO 04.0 CR
     PREREQ   CONSENT OF INSTR
   1    TO BE ARRANGED                          JOHNSON ELMER H
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498H  HONORS IND RESEARCH     01.0 TO 04.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
506   SEM CONTEMP THEO              04.0 CR
       PREREQ   15 HRS SOC OR CONSENT OF INSTR
    1    02.00-04.30      T        CL      326  HALL
519   METH FOUND SOC SCI            04.0 CR
       PREREQ   PHIL 420 OR CONSENT OF INSTR
    1    02.00-04.30      M        AG      170  MUNCH
522   THE SOC-SMALL GROUP           04.0 CR
       PREREQ   SOC 426 OR CONSENT OF INSTR
    1    07.00-09.30 PM   M        CL       25  ROSSEL
533   ECOLOGY-HUMAN COMM            04.0 CR
       PREREQ   15 HRS SOC OR CONSENT OF INSTR
    1    03.00-04.20      W  F     AG      170  WAKELEY
539   SOC OF BUREAUCRACY            04.0 CR
       PREREQ   15 HRS OF SOC OR CONSENT OF
                INSTR
    1    01.00-03.30        TH     AG      218  MARTIN
561   ALCOHOL AND SOCIETY           04.0 CR
       PREREQ   CONSENT OF INSTR
    1    07.00-09.30 PM   MT       CL      326
583   SUPER FIELD WK CORR    04.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED                          JOHNSON ELMER H
587   RESEARCH IN CD         02.0 TO 08.0 CR
       PREREQ   MAJOR IN COMMUNITY DEVEL
    1    TO BE ARRANGED                          THOMAS RICHARD
588C  SEM-COMM DEVELOPMNT           04.0 CR
       PREREQ   SOC 588B
    1    TO BE ARRANGED                          THOMAS RICHARD
591   INDIVIDUAL RESEARCH    02.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
    1    TO BE ARRANGED
596   READINGS IN SOC        02.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
    1    TO BE ARRANGED                          BOALT GUNNAR R
599   THESIS                 02.0 TO 09.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1    TO BE ARRANGED
600   DISSERTATION           01.0 TO 48.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1    TO BE ARRANGED
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Special Education (SP E)

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200   ORIENT ED EXC CHILD           02.0 CR
    1    09.00          T TH     WHAM    112
    2    02.00          M W      WHAM    208
    3    03.00          T TH     WHAM    308
410A  PROB + CHAR-EMO CHI           04.0 CR
       PREREQ   SP E 414
    1    09.00            W      WHAM    308
410B  PROB CHAR MENT RET            04.0 CR
       PREREQ   SP E 414
    1    06.30-09.00 PM   W      WHAM    308  JOINER LEE M
410C  PROB CHAR GIFT CHLD           04.0 CR
       PREREQ   PSYC 301 OR 303 OR CONSENT OF
                INSTR
    1    06.30-09.00 PM   T      WHAM    326  MCKAY B ELIZABH
410D  PROB CHAR ACOUS HDC           04.0 CR
       PREREQ   PSYC 301 OR 303 OR CONSENT OF
                INSTR
    1    06.30-09.00 PM   M      WHAM    305
411   ASS + REMED LRN DIS           04.0 CR
       PREREQ   SP E 414 AND CONSENT OF INSTR
    1    06.30-09.00 PM     TH   WHAM    202  JOINER
413A  DIR OBSER-EMOT DIST           04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
413B  DIR OB OF MR CHILD            04.0 CR
       PREREQ   CONSENT OF INSTR
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  1    10.00-12.50        T        WHAM     201  RAINEY DAN S
14  THE EXCEPT CHILD                   04.0 CR
     PREREQ   PSYC 301 CR 303 OR CONSENT OF
              INSTR
  1    11.00            MTWTH      WHAM     202
  UNDERGRADUATE STUDENTSONLY
  2    02.00            MTWTH      WHAM     206
  UNDERGRADUATE STUDENTSONLY
  3    06.30-09.00 PM      TH      WHAM     302  MCKAY B ELIZABETH
  GRADUATE STUDENTS ONLY
20A  MET + MAT-ED EM DIS                04.0 CR
     PREREQ   SP E 410A AND CONSENT OF INSTR
  1    04.00-05.50        T TH      WHAM     307
20B  METH + MAT TEACH MR                04.0 CR
     PREREQ   SP E 410B AND CONSENT OF INSTR
  1    02.00-03.00        T         WHAM     228  RAINEY
96  READ + INDEP STUDY      02.0 TO 08.0 CR
     PREREQ   SP E 414 AND CONSENT OF STAFF
  1    TO BE ARRANGED
01  SPEC RES PROB                       04.0 CR
     PREREQ   CONSENT OF STAFF
  1    TO BE ARRANGED
15  ITIN TEACH EX CHILD                 04.0 CR
     PREREQ   SP E 410A, B, OR D
  1    06.30-09.00 PM     W        WHAM     201  MORGAN
77  PRACTICUM IN SP ED      04.0 TO 12.0 CR
     PREREQ   SP E 410A, B, C, OR D, AND
              CONSENT OF STAFF
  1    TO BE ARRANGED
92  SEM ED-LEA BEH DISC                 04.0 CR
     PREREQ   CONSENT OF INSTR
  1    TO BE ARRANGED
96  IND INVESTIGATION       05.0 TO 09.0 CR
  1    TO BE ARRANGED
99  THESIS                  02.0 TO 09.0 CR
  1    TO BE ARRANGED
00  DISSERTATION            01.0 TO 48.0 CR
  1    TO BE ARRANGED
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eech (SPCH)

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02  PUBLIC SPEAKING                    04.0 CR
     PREREQ   GSD 103
  1    02.00            MTWTH      COMM    1020  HIBBS RICHARD PAUL
  2    03.00            MTWTH      COMM    1020  WILEY RAYMOND D
04  TRAINING SPKG VOICE                 04.0 CR
     PREREQ   GSD 103
  1    08.00            MT THF     COMM    1006  FARGHER GEORGANN P
  CROSSLISTED WITH SP+A 104
11  PARLIAMENTARY LAW                   02.0 CR
  1    11.00            M W        BAILEY  130   BRENIMAN
12  PRIN OF DISCUSSION                  03.0 CR
  1    02.00            M W  F     COMM    1018  POTTER
  2    03.00            M W  F     COMM    1021  GOODIEL EUNICE P
25  ARGUMENT DEBATE                     04.0 CR
  1    08.00-09.50       T TH      COMM    1017
  2    10.00            MT THF     COMM    1020  KLEINAU MARVIN DALE
29  FORENSIC ACTIVITIES     01.0 TO 03.0 CR
     PREREQ   CONSENT OF INSTR
  1    TO BE ARRANGED                             KLEINAU MARVIN DALE
30  PHONEMICS-AMER ENGL                 04.0 CR
     PREREQ   SPCH 200 CR CONSENT OF INSTR
              AND DEPT CHAIRMAN
  1    02.00            MTWTH      COMM    1022  GARBUTT
31  PERSUASION                          04.0 CR
  1    11.00            MTW        PULL      39
       11.00               TH      WHAM     201
  2    02.00            MTWTH      0862     102
33  BUS PROF SPEAKING                   04.0 CR
  1    01.00            MTWTH      COMM    1020  JENNINGS
39  FORENSIC ACTIVITIES     01.0 TO 04.0 CR
     PREREQ   CONSENT OF INSTR
  1    TO BE ARRANGED                             KLEINAU MARVIN DALE
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323 ORAL INTERP II 04.0 CR
PREREQ 3SC 200 CR CONSENT OF INSTR
1 11.00 MTWTHF COMM 1020 ANDERSON
2 11.00 M AG 150 KLEINAU MARION L
11.00 TWTH AG 216
11.00 F COMM 1018
401 CREATIVE DRAMATICS 04.0 CR
1 09.00 MTWTH PHY SA 458 BRADLEY
406 TCHG SEC SCHL SPCH 04.0 CR
PREREQ 16 HRS OF SPCH
1 08.00-09.50 M W COMM 2012 SIMS
408 PSYCHOLOGY OF SPCH 04.0 CR
1 03.00 M WTHF COMM 1018 BRENIMAN
417 CONTEMPORARY PUB AD 04.0 CR
1 08.00-09.50 T TH COMM 2012 BRADLEY EARL EDS
422 ORAL INTERP PROSE 04.0 CR
PREREQ 3SC 20C, SPCH 323 OR CONSENT OF INSTRUCTOR
1 12.00 MTWTH COMM 2012 ANDERSON
429 EXP STUD ORAL COM 04.0 CR
PREREQ SPCH 428
1 12.00 M W COMM 1020 SANDERS KEITH R
12.00-01.50 F COMM 1020 SANDERS KEITH R
450C LAB INTERPER COM 04.0 CR
1 02.00-03.50 T TH COMM 2012 PACE THOMAS J
505 MODERN RHET THEORY 04.0 CR
1 10.00-11.50 T TH COMM 2012 POTTER
520 PHIL FOUND-SPEECH 03.0 CR
1 06.00-09.00 PM T COMM 2012 PACE
523 SEM-PROB IN INTERP 04.0 CR
PREREQ 18 HRS INTERP AND THEATRE AND CONSENT OF INSTR
1 02.00-03.50 M W COMM 2012 KLEINAU MARION I
524A SEM RHET + PUB ADD 03.0 CR
1 09.00-11.50 F COMM 2012 BRADLEY EARL ED
530 RESEARCH PROBLEMS 01.0 TO 04.0 CR
1 TO BE ARRANGED BRADLEY EARL ED
540 SEM-EXP COMM RES 04.0 CR
PREREQ SPCH 428 AND 429
1 03.00-04.50 T TH 0862 102
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED MICKEN RALPH A
600 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED MICKEN RALPH A

Speech Pathology and Audiology (SP & A)

100 SPEECH CLINIC 00.0 TO 02.0 CR
1 TO BE ARRANGED FARGHER GEORGAN P
104 TRAINING SPK VOICE 04.0 CR
1 08.00 MT THF COMM 1006 FARGHER GEORGAN P
200 PHONETICS 04.0 CR
1 03.00 MTWTH COMM 1006 GARBUTT CAMERON
203 INTRO TO SP SCIENCE 04.0 CR
1 02.00 MT THF COMM 1006 HOSHIKO MICHAEL
319 STUTTERING 04.0 CR
PREREQ SP+A 212 CR CONSENT OF INSTR
1 01.00 MT THF COMM 1006 BRUTTEN GENE J OME
400 IND STUDY-SP+A 01.0 TO 04.0 CR
PREREQ ADVANCED STANDING
1 TO BE ARRANGED PACE SUE ANN
405C PRAC SP + HEAR THER 02.0 TO 04.0 CR
PREREQ JUNICR STANDING IN DEPARTMENT
1 10.00 M TH COMM 1006 PACE SUE ANN
415 APHASIA 04.0 CR
PREREQ SP+A 412, 414 CR CONSENT OF IN STR
1 11.00 MT THF COMM 1006 PACE SUE ANN
420 CLINICAL AUDIOMETRY 04.0 CR
PREREQ SP+A 406 AND 416 OR CONSENT OF INSTR
1 09.00 MT THF COMM 1006 MCFARLAND
428 SP CORR FOR CL TCH 04.0 CR

PREREQ PRACTISING TEACHER, SR OR GRAD IN EDUC
1 06.30-09.30 PM M COMM 1006 BRACKETT I P

15 READINGS IN SP+A 01.0 TO 04.0 CR
PREREQ ADVANCED STANDING
1 TO BE ARRANGED BRACKETT I P

21 SEM ARTIC + DEL SP 01.0 TO 04.0 CR
1 01.00-02.50 M TH COMM 1009

22C SEM-ORG SPCH PROB 01.0 TO 04.0 CR
PREREQ SP+A 522B CR CONSENT OF INSTR
1 03.00-04.50 M TH COMM 1007 KOEPP-BAKER HERBERT

28 SEM EXPER AUDICLOGY 04.0 CR
PREREQ SP+A 516 CR 52C OR CONSENT OF INSTR
1 10.00-11.50 T F COMM 1009 COPELAND ALFRED

29C SEM IN ST BEHAVIOR 01.0 TO 04.0 CR
PREREQ SP+A 529B CR CONSENT OF INSTR
1 02.00-03.50 T F COMM 1009 BRUTTEN GENE JEROME

30 RES PROB IN SP+A 01.0 TO 04.0 CR
PREREQ ADVANCED STANDING
1 TO BE ARRANGED HOSHIKO

31 SEM IN EXPER PHON 01.0 TO 04.0 CR
1 10.00-11.50 M TH COMM 1009 HOSHIKO MICHAEL S

99 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED KOEPP-BAKER HERBERT

00 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED KOEPP-BAKER HERBERT

chnical & Industrial Education (TIED)

10 ORIENTATION 02.0 CR
1 01.00 M W TECH A 111 VAN ROOY

18 VISUAL COMMUNICATNS 03.0 CR
1 10.00 M F PULL I 17 KENNEKE LARRY
09.00-10.50 W PULL I 17

2 CONSTR MTDS PRI TCH 04.0 CR
1 08.00-09.50 MTWTH PULL I 109 VAN ROOY
2 01.00-02.50 MTWTH PULL I 109 VAN ROOY
3 03.00-04.50 MTWTH PULL I 109 VAN ROOY

3 DIVERSIFIED CRAFTS 04.0 CR
1 10.00-11.50 MTWTH PULL I 109
2 06.00-09.00 PM M W PULL I 109
3 06.00-09.00 PM T TH PULL I 109

5B MATERIALS-PROCESSES 04.0 CR
1 08.00 T TH PULL I 14B BORTZ
09.00-10.50 TH PULL I 14B

0B ELECTRONICS-INSTRUM 04.0 CR
1 08.00 M W TECH D 106
08.00-09.50 F TECH D 106

9 INDUSTRIAL INTERN 03.0 TO 24.0 CR
PREREQ CONSENT OF COORDINATOR
1 TO BE ARRANGED

8 T AIDS IN TECH ED 03.0 CR
1 06.00-08.30 PM T TECH A 208 KENNEKE

9 STU TCH IN TECH PRC 08.0 TO 16.0 CR
PREREQ 9 QTR HRS PROFESSIONAL I ED GRAD STUDENTS ONLY
1 TO BE ARRANGED

0B ENTRPRS-MANMACH SYS 04.0 CR
PREREQ 420A
1 04.00 M W PULL I 14
03.00-04.50 F PULL I 14

4 PRIN ENTRPRS TEACH 03.0 CR
PREREQ 16 HOURS IN TIED
1 02.00 M W F TECH D 130 ERICKSON

4 CURR DEVEL ENTRPRIS 03.0 CR
PREREQ 20 HOURS IN TIED
1 03.00 M W TECH D 131
03.00 T PHY SC 118

4 PRACTICUM IN TECH 02.0 TO 08.0 CR
PREREQ 12 HRS IN TECHNICAL SUBJECTS
1 TO BE ARRANGED

4 SPECIAL PROBLEMS 02.0 TO 08.0 CR

PREREQ. CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
489 ORG OF SUBJ MATTER 03.0 CR
PREREQ TIED 488
1 06.00-08.30 PM W TECH A 208 SULLIVAN
490 PRIN OCCUP TEACH 03.0 CR
PREREQ 12 HRS IN TEACHING SPECIALTY
1 06.00-08.30 PM TH TECH A 208
500A LEG ORG + AD OCC ED 04.0 CR
1 06.00-09.00 PM M TECH A 208 NYSTROM
502 EVAL-OCCUP ED PROG 04.0 CR
PREREQ 1 COURSE IN TESTS AND MEASUREM
ENTS
1 06.00-09.00 PM TH TECH A 222 BAILEY
525 INTER VOC COOP ED 03.0 CR
PREREQ STUDENT TEACHING
1 09.00-11.30 S TECH D 130 SULLIVAN JAMES A
CROSS-LISTED WITH SEC 525
541 OCCUP INFO AND GUID 04.0 CR
1 06.00-09.00 PM TH WHAM 206 RAMP WAYNE S
CROSS-LISTED WITH GUID 541
570 SPECIAL INVESTIGAT 02.0 TO 06.0 CR
1 TO BE ARRANGED
580 SEMINAR 04.0 CR
1 06.00-09.00 PM T TECH A 210 STADT
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

Theater (THEA)

111A STAGING TECHNIQUES 03.0 CR
1 03.00 MTWTHF COMM 1017 HENDREN PHILIP I
111C STAGING TECHNIQUES 03.0 CR
1 03.00 MTWTHF COMM 1057 HORN
203 VOICE AND DICTION 04.0 CR
1 01.00 MTWTH 0875 102 GARBOTT
207 FUNDS OF TH DES 04.0 CR
1 11.00 MTW F COMM 2042 PAYNE
208 DRAMATIC ACTIVITIES 01.0 TO 03.0 CR
1 07.35-09.00 PM T TH COMM 1045 ZOECKLER CHARLE W
213 STAGE MOVEMENT 03.0 CR
1 12.00 MTWTHF 0813 101 DAVIDSON ELLEVA
217 ACTING 04.0 CR
1 09.00-10.50 M W COMM 1045 GRAY
230 TECHNIQUES BALLET 02.0 CR
1 04.00 M GYM 206 DAVIDSON ELLEVA
03.00-04.50 T TH GYM 206 DAVIDSON ELLEVA
CROSSLISTED WITH PEW 230
240 THEO-TECH CONT DNCE 02.0 CR
1 02.00-03.50 MTWTH 0813 101 GRAY WINSTON G
CROSSLISTED WITH PEW 240
273 DANCE WORKSHOP 01.0 TO 02.0 CR
1 07.00-09.00 PM T TH 0813 101 GRAY WINSTON G
CROSSLISTED WITH PEW 273
308 DRAMATIC ACTIVITIES 01.0 TO 03.0 CR
1 07.35-09.00 PM T TH COMM 1045 ZOECKLER CHARLI W
311 INT TO PLAYWRITING 04.0 CR
PREREQ 1 COURSE IN DRAMATIC LITERATUR
E + CONSENT OF INSTR
1 12.00 MTWTH WHAM 301A PAYNE
402A PLAY DIRECTING 04.0 CR
1 11.00 MTW F COMM 1045 ABRAMS
403 AESTHETICS OF THEA 04.0 CR
1 08.00 MTWTH WHAM 212 MCLEOD ARCHIBA
405B SCENIC IMAGINATION 04.0 CR
PREREQ THEA 405A
1 01.00-02.50 M W COMM 2043
410 CHILDRENS THEATRE 03.0 CR
1 03.00 M W F COMM 1022 ZOECKLER CHARL W
415 ADV COSTUME DESIGN 04.0 CR
PREREQ THEA 414
1 10.00 MTWTH COMM 2041 HARRISON EELIN
416 THEORIES OF DANCE 04.0 CR
1 01.00 M W GYM 206 DAVIDSON ELLE J

CROSSLISTE WITH PEW 416

+17 ADVANCED ACTING 04.0 CR
PREREQ THEA 217 + 317

1	01.00-02.50	T TH	COMM	1037	ABRAMS SHERWIN

+38 CONTEMP DEVEL THEA 04.0 CR

1	04.00	MTW F	COMM	1021	KOZLENKO

502 ADV DIRECTING 04.0 CR

1	09.00	MTW F	COMM	1037	ABRAMS SHERWIN

503B STAGE LIGHTING 04.0 CR
PREREQ CONSENT OF DEPT + GRAD STANDING

1	12.00	MTW F	COMM	2042	HENDREN PHILIP R

506 THE AMERICAN THEA 04.0 CR
PREREQ THEA 313 OR EQUIV

1	03.00	MTWTH	0875	101	KOZLENKO

526 SEM IN THEATRE ARTS 03.0 TO 12.0 CR
PREREQ GRAD STANDING + CONSENT OF DEPARTMENT

1	09.00-11.50	S	LAWSON	201	MARSHALL HERBERT P J

530 RESEARCH PROBLEMS 01.0 TO 04.0 CR

1	TO BE ARRANGED				

599 THESIS 01.0 TO 09.0 CR

1	TO BE ARRANGED				

oology (ZOOL)

102 GEN INVERT ZOOLOGY 05.0 CR
PREREQ GSA 2018

1	02.00	T TH	LAWSON	201	BLACKWELDER R E
	08.00-09.50	M W F	LS I	130	
2	02.00	T TH	LAWSON	201	BLACKWELDER R E
	10.00-11.50	M W F	LS I	130	
3	02.00	T TH	LAWSON	201	BLACKWELDER R E
	01.00-02.50	M W F	LS I	130	
4	02.00	T TH	LAWSON	201	BLACKWELDER R E
	03.00-04.50	M W F	LS I	130	

202 COMPAR ANATOMY VERT 05.0 CR
PREREQ ZOOL 103

1	08.00	T TH	LS I	205	
	08.00-09.50	M W F	LS I	208	
2	08.00	T TH	LS I	205	
	10.00-11.50	M W F	LS I	208	

300 VERT EMBRYOLOGY 05.0 CR
PREREQ ZOOL 202

1	08.00	M W F	LS I	205	
	01.00-02.50	T TH	LS I	213	
2	08.00	M W F	LS I	205	
	03.00	T TH	LS I	213	

419 ELEMENTARY CYTOLOGY 05.0 CR
PREREQ PREQ 15 HRS OF BIOLOGY

1	10.00	M W F	LS I	205	HAAS HERMANN J
	10.00-11.50	T TH	LS I	211	HAAS HERMANN J

430 ANIMAL ECOLOGY 05.0 CR
PREREQ ZOOL 102,103

1	01.00	M W F	LS I	205	LEFEBVRE EUGENE A
	08.00-11.50	TH	LS I	204	
2	01.00	M W F	LS I	205	LEFEBVRE EUGENE A
	01.00-04.50	TH	LS I	204	

532 PROBLEMS IN ZOOLOGY 02.0 TO 05.0 CR
PREREQ 4.25 GPA,SENIOR STANDING,AND DEPT OR FAC APPROVAL

1	TO BE ARRANGED				

532 ZOOL SENIOR SEMINAR 00.5 TO 01.5 CR
PREREQ SENIOR STANDING

1	12.00	TH	AG	218	
2	12.00	TH	LS I	323	
3	04.00	TH	LS I	205	

541 GENETICS 05.0 CR
PREREQ 15 QRT HRS OF BIO SCIENCE AND CONSENT OF INSTRUCTOR

1	09.00	M W F	LS I	205	ENGLERT
	08.00-09.50	T TH	LS I	209	
2	09.00	M W F	LS I	205	ENGLERT
	10.00-11.50	M F	LS I	209	

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    3    09.00            M W  F    LS I     205  ENGLERT
         01.00-02.50      M    F    LS I     209
    4    09.00            M W  F    LS I     205  ENGLERT
         03.00-04.50      M    F    LS I     209
403  NAT HIST VERT                    04.0 CR
      PREREQ   1 YR OF ZOOL INCLUDING 103
    1    11.00             T TH     LS I     205  WARING GEORGE H
         08.00-11.50        W       LS I     204  WARING GEORGE H
404  ZOOLOGY FIELD STUD     02.0 TO 08.0 CR
      PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
407  PARASITOLOGY                     05.0 CR
      PREREQ   1 YR OF ZOOL INCLUDING 102
    1    01.00             T TH     LS I     205
         01.00-02.50      M W  F    LS I     211
414  FRESH-WATER INVERT               04.0 CR
      PREREQ   1 YR OF ZOOL INCLUDING 102
    1    03.00            M W       LS I     205  BEATTY JOSEPH AL
         03.00-04.50       T TH     LS I     130  BEATTY JOSEPH AL
463  WILDLIFE MANAGEMENT              04.0 CR
      PREREQ   15 HRS OF BIOLOGICAL SCIENCE,
               CONSENT OF INSTRUCTOR
    1    11.00            M W       LS I     205
         08.00-11.50            F    LS I     204
467  ORNITHOLOGY                      04.0 CR
      PREREQ   ONE YEAR ZOOLOGY INCLUDING 103
    1    09.00             T TH     LS I     205  GEORGE WILLIAM
         06.00-09.50             S   LS I     204  GEORGE WILLIAM
471  ENTOMOLOGY                       04.0 CR
      PREREQ   ZOOL 102
    1    08.00            M W       H C      202  MCPHERSON
         08.00-09.50       T TH     LS I     213
    2    08.00            M W       H C      202  MCPHERSON
         10.00-11.50       T TH     LS I     213
508  HELMINTHOLOGY                    04.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    10.00             T TH     LS I     205  DYER
         10.00-11.50      M W       LS I     213
510  BIO ECOLOGY                      04.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    12.00             T TH     LS I     205  LEFEBVRE EUGENE
         08.00-11.50             S   LS I     213  LEFEBVRE EUGENE
      CROSS LISTED WITH BOT 510
521  ADVANCED LIMNOLOGY               04.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    02.00             T TH     LS I     205  STAHL JOHN B
         01.00-04.50             F   LS I     204  STAHL JOHN B
540  FACTORS ANIMAL REPR              03.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    12.00            M W  F    LS I     205  MARTAN JAN
566  FISH CULTURE                     04.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    09.00            M W       LS I     211  LEWIS WILLIAM M
         01.00-04.50      M         LS I     204  LEWIS WILLIAM M
582C GRADUATE SEMINAR                 00.5 CR
    1    04.00              W       LAWSON   161
583C TEACH ZOOL COLL                  01.0 CR
      PREREQ   GRAD STATUS IN A BIO SCIENCE
    1    05.00              W       LS I     205  FISHER HARVEY I
596  SPECIAL RESEARCH       03.0 TO 12.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
599  THESIS                 02.0 TO 09.0 CR
    1    TO BE ARRANGED
600  DISSERTATION           03.0 TO 48.0 CR
    1    TO BE ARRANGED
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COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.		INSTRUCTOR
General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)					
101A	INTRO-PHYS SCIENCE			04.0 CR	
901	10.00	MTWTH	M3	103	COLLINS JASON J
902	01.00	MTWTH	M3	101	COLLINS JASON J
903	03.00	MTWTH	M3	103	COLLINS JASON J
101B	INTRO-PHYS SCIENCE			04.0 CR	
901	01.00	MTWTH	F3	144	SMITH DONALD
General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)					
01B	CULT-SOCIETY BEHAV			04.0 CR	
901	10.00	MTWTH	H3	153	
902	12.00	MTWTH	M3	103	
01C	CULT-SOCIETY-BEHAV			04.0 CR	
901	09.00	MTWTH	HI	143	
902	10.00	MTWTH	HI	143	
903	11.00	MTWTH	HI	143	
904	12.00	MTWTH	HI	143	
905	01.00	MTWTH	HI	143	
906	03.00	MTWTH	AVTECH	101	
11A	POLITICAL ECONOMY			04.0 CR	
901	10.00	MTWTH	MI	112	
902	12.00	MTWTH	FI	112	
11B	POLITICAL ECONOMY			04.0 CR	
901	08.00	MTWTH	H	154	
902	11.00	MTWTH	AVTECH	101	CISSELL ALLEN
903	12.00	MTWTH	H1	154	SHIN WANGSHIK
904	01.00	MTWTH	H1	154	SHIN WANGSHIK
905	03.00	MTWTH	H1	154	
906	04.00	MTWTH	H1	154	CISSELL ALLEN
eneral Studies Area D—Organization and Communication of Ideas (GSD)					
01	ENGLISH COMPOSITION			03.0 CR	
901	09.00	M W F	H3	153	
902	10.00	M W F	H3	153	
903	11.00	M W F	H3	153	
904	12.00	M W F	H3	153	
905	01.00	M W F	H3	153	
906	04.00	M W F	AVTECH	102	
02	ENGLISH COMPOSITION			03.0 CR	
901	08.00	M W F	H3	153	
902	10.00	M W F	H9	101	
903	12.00	M W F	L3	109	
904	01.00	M W F	H9	101	
905	02.00	M W F	H3	153	
03	ORAL COMM OF IDEAS			03.0 CR	
901	08.00	MTWTH	AVTECH	101	
902	09.00	MTWTH	H9	101	
903	11.00	MTWTH	H9	101	
904	12.00	MTWTH	H9	101	WORKUN ARTHUR
905	02.00	MTWTH	H9	101	
906	04.00	MTWTH	H9	101	
athematics (MATH)					
11A	COL ALGEBRA TRIG			05.0 CR	
901	09.00	MTWTHF	M3	103	
902	01.00	MTWTHF	M3	103	
903	03.00	MTWTHF	H3	151	
Accounting (*ACC)					
11A	ACCOUNTING			04.0 CR	
1	10.00	M F	FI	111	
	11.00-12.50	T TH	FI	111	
2	01.00	M F	FI	111	
	01.00-02.50	T TH	FI	111	

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101B  ACCOUNTING                              04.0 CR
       PREREQ   *ACC 101A
    1    10.00            MTWTHF   H4        233
    2    11.00            MTWTHF   H4        233
101C  ACCOUNTING                              04.0 CR
       PREREQ   *ACC 101B
    1    08.00            MTWTHF   FI        111
    2    09.00            MTWTHF   FI        111
    3    12.00            MTWTHF   FI        111
    4    03.00            MTWTHF   FI        111
109A  CALC MACH                               03.0 CR
    1    11.00            MTWTHF   FI        113
    2    01.00            MTWTHF   FI        113
    3    03.00            MTWTHF   FI        113
109B  CALC MACH                               03.0 CR
    1    10.00            MTWTHF   FI        113
126   FUND OF BUSINESS                        03.0 CR
    1    09.00            M W  F   H4        133  RICHEY HELEN E
    2    01.00            M W  F   H4        233
201B  ACCOUNTING                              04.0 CR
    1    09.00            MTWTHF   FI        108
    2    02.00            MTWTHF   FI        108
226A  BUSINESS LAW                            04.0 CR
    1    11.00            MTWTH    FI        108
    2    03.00            MTWTH    FI        108  CUNDIFF JOHN WIL A
      MORT SCIENCE MAJORS ONLY
226B  BUSINESS LAW                            04.0 CR
    1    12.00            MTWTH    FI        108  CUNDIFF JOHN WIL A
230   AUDITING                                04.0 CR
       PREREQ   *ACC 204
    1    08.00            MTWTHF   FI        108  MARKWELL JAMES K
    2    03.00            MTWTHF   FI        111
275   CREDITS + COLLECT                       04.0 CR
       PREREQ   *ACC 101C
    1    10.00            MTWTHF   FI        108  VAUGHN FRANK EUGE
    2    01.00            MTWTHF   FI        108
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Architectural Drafting (*AD)

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121B  ARCHITECT DESIGN                        04.0 CR
       PREREQ   *AD 110A,146A,CR CONSENT OF AD
                VISER
    1    09.00-11.50      M W  F   MI        108
    2    02.00-04.50      M W  F   MI        113  RUTLEDGE CLIFTO D
150   BASIC CONSTRUCTICN                      03.0 CR
    1    08.00            M W  F   MI        112
151   MATERIALS + METHODS                     04.0 CR
       PREREQ   *AD 110 CR CONSENT OF ADVISER
    1    08.00-11.50       T TH    MI        108
         12.00              W      MI        112
    2    01.00-04.50       T TH    MI        108
         12.00              W      MI        112
152   SITE ENGINEERING                        02.0 CR
       PREREQ   *AD 110 AND GSC 114C,OR CONSEN
                T OF ADVISER
    1    08.00-10.50       T TH    HI        144  COTE DANIEL N
    2    02.00-04.50       T TH    HI        144  COTE DANIEL N
153A  MECH + STRENGTH-MAT                     04.0 CR
       PREREQ   MATH 111A
    1    01.00            M W  F   MI        112
         12.00              TH     MI        112
221C  ARCHITECTURAL DES                       04.0 CR
    1    08.00-10.50      M W  F   MI        113  LOUGEAY PAUL J
    2    01.00-03.50      M W  F   MI        108  LETE JOSEPH R
250C  MATERIALS + METHODS                     04.0 CR
    1    08.00-11.50       T TH    MI        113  LETE JOSEPH R
         12.00              W      MI        113
    2    01.00-04.50       T TH    MI        113
         11.00              W      MI        113
254   MECH EQUIP OF BLDGS                     04.0 CR
       PREREQ   FOURTH-QRT STATUS IN CONCENTRA
                TION OR CONSENT OF ADV
    1    11.00            M W  F   MI        112  LITTLE HAROLD MOND
         12.00             T       MI        112
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290B STRUCT THE-WD + STL 03.0 CR
1 02.00 M W F HI 144 LITTLE HAROLD EDMOND

Aviation Technology (*AT)

101 ARCFT RECIPROCAT PP 06.0 CR
1 09.00 M W F AVTECH 101 BURKEY PAUL
10.00-12.50 M W F AVTECH 104
102 CARB + LUB SYSTEMS 06.0 CR
1 02.00 M W F AVTECH 102 SCHAFER JOSEPH ALLEN
09.00-12.50 T TH AVTECH 104
103 ARCFT ELECT GEN-ALT 06.0 CR
1 08.00 MTWTHF AVTECH 102 CAROSA EDMUND A
09.00-10.50 M W F AVTECH 104
104 PROPELLORS 05.0 CR
1 09.00 T TH AVTECH 102 BURKEY PAUL
02.00 F AVTECH 103 BURKEY PAUL
10.00 T TH AVTECH 104 BURKEY PAUL
12.00-01.50 T TH AVTECH 104 BURKEY PAUL
105 AIRCRFT INSTRUMENTS 04.0 CR
1 12.00 W AVTECH 102 SCHAFER JOSEPH ALLEN
04.00 T TH AVTECH 102
02.00-03.50 T TH AVTECH 104
106 ARCFT IGN-START SYS 05.0 CR
1 08.00 W AVTECH 103
11.00 T TH AVTECH 102
08.00-10.50 T TH AVTECH 104
107 FABRIC-WOOD-DOPING 04.0 CR
1 09.00-10.50 W AVTECH 102 RICH DAVID LOUIS
12.00 TH AVTECH 101
01.00-03.50 T TH AVTECH 104
2 01.00 M W AVTECH 103 RICH DAVID LOUIS
08.00 F AVTECH 103 RICH DAVID LOUIS
02.00-04.50 M W AVTECH 104
108 JET PROPULSION PP 06.0 CR
1 11.00 W AVTECH 102 CAROSA EDMUND A
01.00 M W F AVTECH 102
02.00-03.50 M W F AVTECH 104
109 POWERPLANT TESTING 04.0 CR
1 11.00 M F AVTECH 102 SCHAFER JOSEPH ALLEN
08.00-10.50 M F AVTECH 104
110 AIRC STRUCT AND REP 03.0 CR
1 10.00 M F AVTECH 103 RICH DAVID LOUIS
11.00 W AVTECH 103
2 12.00 T AVTECH 101 RICH DAVID LOUIS
04.00 T TH AVTECH 102
113 AERODYNAMICS 05.0 CR
1 09.00 M F AVTECH 103 CANNON RICHARD
10.00-11.50 M F AVTECH 104 CANNON RICHARD
12.00 W AVTECH 101 CANNON RICHARD
2 01.00 T TH AVTECH 103 CANNON RICHARD
12.00 F AVTECH 102
02.00-03.50 T TH AVTECH 104
114 AIRCRAFT HYDRAULICS 05.0 CR
1 09.00 M F AVTECH 102 CHMAN LENNART R
02.00 M AVTECH 103
10.00-12.50 M F AVTECH 104
115 PRESS, AIR COND SYS 03.0 CR
1 02.00 T TH AVTECH 101 CHMAN LENNART R
11.00-12.50 W AVTECH 104 CHMAN LENNART R
116 METAL + PROCESSING 04.0 CR
1 11.00 T TH AVTECH 103 RITER RUSSELL W
08.00-10.50 T TH AVTECH 104 RITER RUSSELL W
123 ARCFT FUEL SYSTEMS 02.0 CR
1 08.00-09.50 W AVTECH 104 CHMAN LENNART R
10.00 W AVTECH 103 CHMAN LENNART R
2 09.00 T AVTECH 101
08.00-09.50 T AVTECH 104
129 WT BALANCE INSPECT 06.0 CR
1 08.00-10.50 M F AVTECH 104 RITER RUSSELL W
02.00 MTWTHF AVTECH 104 RITER RUSSELL W
2 10.00 MTWTHF AVTECH 101
08.00-09.50 M W F AVTECH 104
2 RADIO OPER-INSTALL 01.0 CR

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    1     12.00              TH     AVTECH  103  RITER RUSSELL W
          09.00               W     AVTECH  103  RITER RUSSELL W
          10.00               W     AVTECH  104
220   JET TRANS AIR SYS                  03.0 CR
    1     09.00             T TH     AVTECH  104  CHMAN LENNART R
          10.00             T TH     AVTECH  103  CHMAN LENNART R
    2     02.00-03.50       T        AVTECH  102
          08.00-09.50         TH     AVTECH  104
230A  PRIVATE PILOT                    02.0 CR
    1     TO BE ARRANGED                                PATCHETT SAMMUEL
230B  PRIVATE PILOT                    01.0 CR
    1     TO BE ARRANGED                                PATCHELL SAMUEL A
231   BASIC FLIGHT                     03.0 CR
       PREREQ   *AT 230
    1     TO BE ARRANGED                                PATCHETT SAMUEL A
232   INTERMEDIATE FLIGHT              03.0 CR
       PREREQ   *AT 231
    1     TO BE ARRANGED                                PATCHETT SAMUEL A
233   ADVANCED FLIGHT                  03.0 CR
       PREREQ   *AT 232
    1     TO BE ARRANGED                                PATCHETT SAMUEL A
234   INSTRUMENT FLIGHT                03.0 CR
       PREREQ   *AT 233
    1     TO BE ARRANGED                                PATCHETT SAMUEL A
```

Automotive Technology (*AUT)

```
101A  AUTO LAB--ENG                    05.0 CR
    1     08.00-10.50       MTWTHF   L2      108
101B  AUTO LAB-BR + STEER              05.0 CR
    1     08.00-10.50       MTWTHF   LI      108  JONES PAUL F
101C  AUTO LAB-IGN + CARB              05.0 CR
    1     11.00-01.50       MTWTHF   L2      108  WHITE JAMES EDWI
    2     02.00-04.50       MTWTHF   L2      108  MCDONALD JAMES H
125A  AUTO THE--ENGINES                05.0 CR
    1     01.00             MTWTHF   L2      105  ROMACK CHARLES
125B  AUTO THE-BR + STEER              05.0 CR
    1     02.00             MTWTHF   L2      105  JONES PAUL F
125C  AUTO THE-IGN + CARB              05.0 CR
    1     09.00             MTWTHF   L2      105  MCDONALD JAMES H
    2     03.00             MTWTHF   L2      105  WHITE JAMES EDWI
201A  AUTO LAB-POWER OPT               05.0 CR
       PREREQ   101C AND 125C
    1     01.00-03.50       MTWTHF   L2      102  KAZDA JOSEPH G
201B  AUTO LAB-TRANS POWR              05.0 CR
       PREREQ   101C AND 125C
    1     09.00-11.50       MTWTHF   L2      102  WILLEY LUCIAN D
201C  AUTO LAB-DIAGNOSIS               05.0 CR
       PREREQ   101C AND 125C
    1     02.00-04.50       MTWTHF   LI      108  SHELTON EVERETT
220A  AUTO TH-POWER OPT                05.0 CR
       PREREQ   101C AND MUST BE TAKEN
                CONCURRENTLY WITH 201
    1     04.00             MTWTHF   L2      105  KAZDA JOSEPH G
220B  AUTO TH-TRANS POWER              05.0 CR
       PREREQ   101C AND MUST BE TAKEN
                CONCURRENTLY WITH 201
    1     08.00             MTWTHF   L2      105  WILLEY LUCIAN D
220C  AUTO TH-DIAGNOSIS                05.0 CR
       PREREQ   101C AND MUST BE TAKEN
                CONCURRENTLY WITH 201
    1     11.00             MTWTHF   L2      105  SHELTON EVERETT
```

Building Construction Technology (*BC)

```
210B  CONSTRUCTION                     03.0 CR
    1     02.00             M W  F   MI      112
```

Commercial Art (*CA)

```
140   INTR-AD STORY ILLUS              10.0 CR
       PREREQ   *CA 130
    1     08.00-11.50       MTWTHF   NI      101  SWAYNE DORIS M
    2     01.00-04.50       MTWTHF   NI      101  BOZA GERTRUDE M
210C  ADVER + STORY ILLUS              07.0 CR
    1     08.00-11.50       M W  F   NI      107  HOFFMAN RICHARD
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```
   2    01.00-04.50      M W  F    NI        107  RUYLE KERMIT L
230C  TECHNICAL ILLUST                  06.0 CR
   1    08.00-11.50       T TH    NI        107  HOFFMAN RICHARD A
   2    02.00-05.50       T TH    NI        107  RUYLE KERMIT L
```

Corrections and Law Enforcement (*CLE)

```
105   CRIMINAL BEHAVIOR                 04.0 CR
   1    04.00           MTWTH   H3        153  BURNS HENRY JR
113   COR AND THE COMM                  03.0 CR
   1    06.30-09.00 PM    TH    H3        153  BURNS HENRY JR
209   LAW AND CORR                      03.0 CR
   1    06.30-09.00 PM  M       H3        153  BURNS HENRY JR
211   LAW AND POLICE WORK               03.0 CR
   1    06.30-09.00 PM    W     H3        151  PHELPS ROBERT C
213   SP PROB - CRIME CON               03.0 CR
   1    06.30-09.00 PM   T      H3        153  PHELPS ROBERT C
```

Dental Hygiene (*DH)

```
135C  ORAL BASIC SCIENCE                03.0 CR
   1    09.00-11.50         F   FI        110
137B  PRECLINICAL DEN HYG               04.0 CR
   1    09.00-11.50      M      FI        109  JOHNSON JANE M
        01.00-03.50        TH   FI        109
   2    09.00-11.50       T TH  FI        109  JOHNSON JANE M
139   DENTAL NUTRITION                  03.0 CR
   1    TO BE ARRANGED
110C  CLINICAL DENTAL HYG               05.0 CR
   1    09.00-11.50      MTW  F  F3        132
        12.00                F  FI        110
   2    01.00-03.50      MTW  F  F3        132
        12.00                F  FI        110
113B  DENTAL ASSISTING                  03.0 CR
   1    09.00-11.50        TH   FI        110  CAVANESS GEORGE R
116A  DENTAL ADM PRACTICE               02.0 CR
   1    12.00            M W    FI        110  BUSHEE ELEANOR JANE
116B  DENTAL ADM PRACTICE               02.0 CR
   1    02.00-03.50        TH   FI        110  BUSHEE ELEANOR JANE
```

ata Processing (*DP)

```
103A  COMP PROG                         05.0 CR
   1    03.00           MTWTHF  H4        134  ROBB JAMES
        04.00           MTWTHF  H4        113
104   DP INFO                           05.0 CR
      PREREQ   *DP 100A,1C1
   1    11.00           MTWTHF  H4        134  DICK ROBERT OLIVRR
        12.00            T TH   H4        113  DICK ROBERT OLIVER
   2    02.00           MTWTHF  H4        134  DICK ROBERT OLIVER
        03.00            T TH   H4        113
107   AUTO DP CONCEPTS                  03.0 CR
   1    10.00           M W  F  H4        134
        10.00            T TH   H4        113
203C  BUS COMP PROG                     05.0 CR
      PREREQ   203B
   1    10.00           MTWTHF  H4        133  LOHMEIER DAVID D
        11.00           MTWTHF  H4        113
   2    03.00           MTWTHF  H4        133  LOHMEIER DAVID D
        04.00           MTWTHF  H4        113
206A  PROGRAM OPERAT SYST               05.0 CR
      PREREQ   DP 103
   1    08.00           MTWTHF  H4        134  CK
        09.00           MTWTHF  H4        113
   2    12.00           MTWTHF  H4        134
        01.00           MTWTHF  H4        113
207   DP FIELD PROJ                     05.0 CR
      PREREQ   *DP 206A
   1    TO BE ARRANGED
   2    TO BE ARRANGED
```

ental Laboratory Technology (*DT)

```
111C  DENTAL PROSTHET LAB               06.0 CR
   1    02.00-04.50      M W  F  F3        128
        01.00-04.50       T TH   F3        128
   2    02.00-04.50      M W  F  F3        127  BYKOWSKI PETER
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         01.00-04.50       T TH     F3        127  BYKOWSKI PETER
125C  DENT PROSTH THEORY                    03.0 CR
    1    01.00             M W  F    F3        128
    2    01.00             M W  F    FI        109  BYKOWSKI PETER
201C  CROWN + BRIDGE -AB                    06.0 CR
    1    09.00-11.50       M W  F    F3        128  CHRISTY CHARLES
         08.00-11.50        T TH     F3        128  CHRISTY CHARLES
    2    09.00-11.50       M W  F    F3        127  MORR DOUGLAS
         08.00-11.50        T TH     F3        127  MORR DOUGLAS
202   PROFESSIONAL ETHICS                   02.0 CR
    1    01.00              T TH     FI        110  LEEBENS WILLIAM
225C  CROWN + BRIDGE THEC                   03.0 CR
    1    08.00             M W  F    F3        128  CHRISTY CHARLES
    2    08.00             M W  F    FI        110  MORR DOUGLAS
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Electronics Technology (*ELT)

```
101C  BASIC ELEC AP + SYS                   04.0 CR
    1    09.00-10.50       MTWTHF   M3        109  SCHULTZ RAYMOND
    2    01.00-02.50       MTWTHF   M3        109  CORBELL
125C  BASIC ELECT THEO                      05.0 CR
    1    12.00             MTWTHF   M3        107  SCHULTZ RAYMOND
    2    12.00             MTWTHF   M3        110  CORBELL
131   DIAGNOSTIC ANALYSIS                   03.0 CR
    1    08.00             M W  F    M3        110  SCHULTZ RAYMOND
    2    03.00             M W  F    M3        110  CORBELL
139   COMPUTER SYST APPL                    03.0 CR
       PREREQ   *ELT 225B
    1    01.00             M W  F    M3        110
141   ELECT DISTRIBUT I                     05.0 CR
       PREREQ   *ELT 129, *ELT 125A,B
    1    08.00              T TH     M3        110
         08.00             M W  F    M3        109
         09.00-10.50       M W  F    M3        110
201C  ADV ELECT APPL                        04.0 CR
       PREREQ   *ELT 201B
    1    09.00-10.50       MTWTHF   M3        112
    2    02.00-03.50       MTWTHF   M3        112
225C  ADV IND SYSTMS THEC                   05.0 CR
       PREREQ   *ELT 225B
    1    11.00             MTWTHF   M3        110  CALDWELL PAUL M
228   FCC LICENSE                           03.0 CR
       PREREQ   101,125
    1    08.00             M W  F    M3        110
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Forest Products Technology (*FP)

```
101C  WOODWORK-FURN CONST                   05.0 CR
    1    09.00-11.50       M W  F    L4        108  OSBORN HAROLD  LBU
         08.00-10.50        T TH     L4        108  OSBORN HAROLD  LBU
125C  PROD WOODWKG THEORY                   03.0 CR
    1    08.00             M W  F    L4        106  OSBORN HAROLD  LBU
131   LUMBER GRADING                        02.0 CR
    1    11.00              T TH     L4        106  OSBORN HAROLD  LBU
         12.00                TH     L4        108  OSBORN HAROLD  LBU
179   FURN DRAFT + DESIGN                   03.0 CR
    1    02.00             M W  F    L4        106  OSBORN HAROLD  LBU
         03.00             M W       L4        106  OSBORN HAROLD  LBU
201C  WOODWORK-PROD PROC                    05.0 CR
    1    02.00-04.50       MTWTHF   L4        108  CARMAN ALGA LE
225C  PROD WOODWKG THEORY                   03.0 CR
    1    01.00             M W  F    L4        106  CARMAN ALGA LE
250   PLANT ORG AND OPER                    03.0 CR
       PREREQ   101 AND 201A,B OR CONSENT
                OF ADVISER
    1    09.00             M W  F    L4        106  CARMAN ALGA LE
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General (*GEN)

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101   BUSINESS CORRESP                      03.0 CR
       PREREQ   GSD 101A
    1    09.00             M W  F    FI        107
    2    11.00             M W  F    H3        154
    3    02.00             M W  F    FI        121
    4    03.00             M W  F    FI        121
```

02 TECHNICAL WRITING 03.0 CR
1 09.00 M W F H3 154
2 10.00 M W F H3 154
3 12.00 M W F H4 233
4 02.00 M W F HI 143
5 04.00 M W F AVTECH 102
05A BUS + TECH MATH 03.0 CR
PREREQ SATISFACTORY ACT MATH SCORE OR *GEN 106
1 08.00 M W F H1 151
2 01.00 M W F H1 151
05B BUS + TECH MATH 03.0 CR
PREREQ SATISFACTORY ACT MATH SCORE OR *GEN 106
1 11.00 M W F H3 151
2 12.00 M W F H3 151
3 02.00 M W F H3 151
4 03.00 M W F AVTECH 102
5 04.00 M W F H3 151
5A INTRO TO CHEMISTRY 04.0 CR
PREREQ DENTAL HYGIENE STUDENT OR CONSENT OF ADVISOR
1 08.00-09.50 M W F F3 144 SMITH DONALD
8 APP CALCULUS 04.0 CR
PREREQ GSD 114A,114C
1 08.00 MTWTH HI 143
0 APPLIED PHYSICS 04.0 CR
PREREQ GSA 101A,*GEN 107
1 08.00 M W M3 101
08.00-09.50 T TH M3 101 HARBISON JAMES L
2 10.00 M W M3 101 HARBISON JAMES L
10.00-11.50 T TH M3 101 HARBISON JAMES L
1 INTRO TO PHYSICLOGY 05.0 CR
1 11.00 MTWTHF F3 144 SMITH DONALD
21 JOB ORIENTATION 02.0 CR
1 12.00 T TH H3 153 JOHNSTON CHESTER E
2 01.00 T TH H3 153 JOHNSTON CHESTER E
22 MGT-LABOR RELATIONS 04.0 CR
1 12.00 MTWTH FI 106
2 01.00 MTWTH AVTECH 101 DILLARD DALE OWEN

Highway and Civil Technology (*HCT)

1C SURVEYING 05.0 CR
1 08.00-11.50 T TH L3 119 BASSETT FRANKLIN A
02.00-04.50 TH L3 119
1B STRUCTURAL DRAFTING 03.0 CR
1 08.00-09.50 M W F L3 120 BASSETT FRANKLIN A
1 SOILS 03.0 CR
1 10.00 M W F L3 119 BASSETT FRANKLIN A
2B CIVIL CONSTRUCTION 03.0 CR
1 01.00 M W F L3 119
2 ROUTE SURVEYING 05.0 CR
PREREQ *HCT 101A,B,C
1 02.00-04.50 M W F L3 120
2 ROADWAY DES + CONST 05.0 CR
1 02.00-04.50 T TH L3 120

Mortuary Science (*MS)

2 PUB HLTH LAWS + REG 02.0 CR
1 04.00 M W L3 109 HERTZ DONALD GORDON
2A PSYCH FUNERAL SERV 03.0 CR
PREREQ PSYC 305 OR 307
1 11.00 M W F L3 109
2B PSYCH FUNERAL SERV 03.0 CR
PREREQ *MS 210A
1 02.00 M W F L3 109
2B EMBALM TH + PRAC 05.0 CR
1 03.00 M W F L3 109 HERTZ DONALD GORDON
02.00-04.50 T TH L3 106 HERTZ DONALD GORDON
25 MORTUARY MANAGEMENT 05.0 CR
PREREQ MUST BE TAKEN IN A,B SEQ PREREQ 101
1 01.00 MTWTHF L3 109 HERTZ DONALD GORDON

Machine Drafting and Design Technology (*MT)

101C	GRAPHICS				07.0	CR	
1	08.00-10.50	M T W TH F	MI		101	BEAUCHAMP CLARE	C
2	02.00-04.50	M T W TH F	MI		101	LAMPMAN D L	
127	ELEC HYD PN CONTRLS				03.0	CR	
	PREREQ 101 VTI G 107						
1	08.00	M W F	LI		105	SANDERS EUGENE	
2	03.00	M W F	LI		105		
175A	TECHNICAL DRAWING				03.0	CR	
1	09.00	M T W TH F	H3		147		
2	02.00	M T W TH F	H3		147	SANDERS EUGENE	
3	03.00	M T W TH F	AVTECH		103		
4	04.00	M T W TH F	AVTECH		103		
175C	TECHNICAL DRAWING				04.0	CR	
1	08.00	M T W TH F	H3		147		
201C	MACH DRAFTG DESIGN				07.0	CR	
	PREREQ 227 CONCURRENTLY OR CONSENT OF ADVISER						
1	11.00-01.50	M T W TH F	MI		101	MUHICH FRANK W	
227	TOOL DESIGN				03.0	CR	
	PREREQ 201C CONCURRENTLY, OR CONSENT OF ADVISER						
1	10.00	M W F	H3		147		

Practical Nursing (*PN)

101	BASIC NURSING				06.0	CR	
1	08.00-09.50	M F	H5		210	MITCHELL	
	10.00-11.50	M T W TH F	H5		210		
	01.00-03.50	T TH	H5		210		
103B	CLINICAL NURSING				12.0	CR	
1	TO BE ARRANGED						
	08.00-11.50	F	H9		201		
	01.00-03.50	F	H9		201		
131	NUTRITION-PRACT NUR				04.0	CR	
1	01.00-03.30	M W	H5		210	KOENECKI	
132	HEALTH				05.0	CR	
1	08.00-09.50	T W TH	H5		210	MITCHELL WINIF	ED
	01.00-03.50	F	H5		210	MITCHELL WINIF	ED

Printing Technology (*PT)

101C	PRESS LAB-OFFSET				06.0	CR	
1	02.00-04.50	M T W TH F	L3		110	BRITT DAVID A	
125C	PRESS THE-OFFSET				03.0	CR	
1	01.00	M W F	M4		102	BRITT DAVID A	
201C	COMPOSITION LAB				06.0	CR	
1	09.00-11.50	M T W TH F	L3		110	CORNELL HORACI	
225C	COMPOSITION THEORY				03.0	CR	
1	08.00	M W F	L3		109	CORNELL HORACI	
251	EST AND COSTS PRINT				03.0	CR	
	PREREQ CONCURRENT ENRCLLMENT IN 201C AND 225C						
1	10.00	M W F	L3		109	BRITT DAVID A	

Physical Therapy (*PTH)

211	PHYS REHAB TECH				03.0	CR	
	PREREQ PE 303, PHSL 300						
1	02.00	M W	WHAM		301A		

Retailing, Cooperative (*RET)

127A	SALESMANSHIP				03.0	CR	
1	01.00	M W F	FI		112	THOMPSON RONA	M
179	RETAIL MATHEMATICS				05.0	CR	
1	09.00	M T W TH F	H3		151	ELDER WALTER	
205	MERCHANDISING PRIN				04.0	CR	
1	10.00	M T W TH	FI		112	SODERSTROM RU	B
206	RECORDS + STATISTIC				05.0	CR	
1	10.00	M T W TH F	FI		106		
207A	SALES PROMOTION				04.0	CR	
1	02.00	M T W TH	FI		106	ELDER WALTER	
208A	FASHION MERCH				04.0	CR	
1	11.00	M T W TH	FI		112		
208B	FASHION MERCH				02.0	CR	
1	01.00	T TH	FI		112	SODERSTROM RU	B

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5  MARKETING PROBLEMS                    04.0 CR
   1    08.00          MTWTH    FI        112
4  RET STORE ORG + MGT                   04.0 CR
   1    11.00          MTWTH    FI        106  THOMPSON RONALD W
7  PERSONNEL MGT                         03.0 CR
   1    02.00          M W  F   FI        112
0  RETAIL CRED + COL                     03.0 CR
   1    09.00          M W  F   FI        112
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cretarial (*SCR)

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1C TYPEWRITING                           03.0 CR
   1    09.00          MTWTHF   FI        121  GREATHOUSE
   2    10.00          MTWTHF   FI        121  GREATHOUSE
   3    11.00          MTWTHF   FI        121
   4    12.00          MTWTHF   FI        121  GREATHOUSE
   5    06.30-09.30 PM M W      FI        121
4C SHORTHAND                             06.0 CR
   1    TO BE ARRANGED
   2    09.00-10.50    MTWTHF   FI        102
   3    10.00          MTWTHF   FI        103  CASE
        11.00          MTWTHF   FI        107
   4    01.00-02.50    MTWTHF   FI        107
   5    06.30-10.00 PM  T TH    FI        107
7  FILING + DUPLICTG                     03.0 CR
    PREREQ   101A OR CONSENT OF ADVISER
   1    08.00          MTWTH    FI        103
   2    01.00          MTWTH    FI        103  NORMAN WINIFRED S
   3    06.30-09.00 PM  T TH    FI        103  GARRISON
2  JURY CHARGE                           04.0 CR
   1    TO BE ARRANGED
   2    04.00          MTWTHF   FI        107  MIRIANI THERESA B
C  MACHINE SHORTHAND                     06.0 CR
   1    11.00          MTWTHF   FI        103  GARRISON MARY M
        12.00          MTWTHF   FI        102
B  TYPEWRITING                           03.0 CR
   1    08.00          MTWTHF   FI        102  GREATHOUSE
   2    01.00          MTWTHF   FI        102  MIRIANI
   3    02.00          MTWTHF   FI        102
8  SHORTHAND                             06.0 CR
   1    TO BE ARRANGED
   2    09.00          MTWTHF   FI        103
        10.00          MTWTHF   FI        107
   TWO-VOICE TESTIMONY                   04.0 CR
   1    03.00          MTWTHF   FI        107  MIRIANI THERESA B
1A COOP SEC EXP          02.0 TO 05.0 CR
    PREREQ   *SCR 104C
   1    TO BE ARRANGED
   SECRETAR OFF PROC                     05.0 CR
   1    11.00          MTWTHF   FI        102  NORMAN WINIFRED S
   2    04.00          MTWTHF   FI        102  CASE RONALD L
2B MEDICAL SHORTHAND                     06.0 CR
   1    02.00          MTWTHF   FI        103  TOOLEY JAMES E
        03.00          MTWTHF   FI        102
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and Manufacturing Technology (*TT)

```
   M TOOL LAB-MILLING                    05.0 CR
   1    10.00-12.50    MTWTHF   LI        101  SANDERS EUGENE T
   2    02.00-04.50    MTWTHF   LI        101  MURDOCK ROBERT D
   M TOO THE-MILL MAC                    03.0 CR
   1    01.00          M W  F   MI        107  MURDOCK ROBERT D
   MANUFACTURING PROC                    03.0 CR
   1    12.00          M W  F   MI        107  TRAYLOR
   ADV T LAB-PROD TOOL                   03.0 CR
   1    08.00-09.50    MTWTHF   LI        101  TRAYLOR GEORGE LELON
   AD M TOOL THE-COST                    03.0 CR
   1    10.00          M W  F   MI        107  TRAYLOR GEORGE LELON
   METALLURGY-FERROUS                    03.0 CR
   1    02.00          MTWTHF   M4        109
   METALLURGY-T STEEL                    03.0 CR
   1    03.00          MTWTHF   WOODY     109
```

Welding (*WEL)

175	OXY-ACET-ELEC ARC			03.0	CR
	1	09.00	M W F	M4	107
		09.00	T TH	M4	108
	2	11.00	M W F	M4	107
		11.00	T TH	M4	108
	3	01.00	M W F	M4	107
		01.00	T TH	M4	108
	4	03.00	M W F	M4	107
		04.00	M W F	M4	108

This form is provided for your use in establishing your class schedule before coming to the Registration Center.

1. Write in the course and section number in the appropriate day and time column.
3. It is suggested that you make an alternative schedule.
4. Tentative class schedules are subject to the rules and policies on registration of the University and the Registration Center.

TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.
8:00												
9:00												
10:00												
11:00												
12:00												
1:00												
2:00												
3:00												
4:00												

This form is designed to help you prepare your tentative class schedule before coming to the Registration Center.

1. Write in the course and section number in the appropriate day and time column.
2. Avoid scheduling two classes at the same time.
3. It is suggested that you make an alternative schedule.
4. Tentative class schedules are subject to the rules and policies on registration of the University and the Registration Center.

TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.
8:00												
9:00												
10:00												
11:00												
12:00												
1:00												
2:00												
3:00												
4:00												

class schedule before coming to the Registration Center.

1. Write in the course and section number in the appropriate day and time column.
2. Avoid scheduling two classes at the same time.
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TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.
8:00												
9:00												
10:00												
11:00												
12:00												
1:00												
2:00												
3:00												
4:00												

This form is ... class schedule before coming to the Registration Center.

1. Write in the course and section number in the appropriate day and time column.
3. It is suggested that you make an alternative schedule.
4. Tentative class schedules are subject to the rules and policies on registration of the University and the Registration Center.

TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.
8:00												
9:00												
10:00												
11:00												
12:00												
1:00												
2:00												
3:00												
4:00												

Carbondale, Illinois 62901

Southern Illinois University

Bulletin

Schedule of Classes
Southern Illinois University
at Edwardsville

Spring Quarter, 1970

This Bulletin

contains the schedule of classes to be offered by the Edwardsville Campus fo the spring quarter, 1970. It also provides information relative to admissio advisement, registration, and fees.

Schedule of Classes

Spring, 1970

Southern Illinois University at Edwardsville

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 2, February 16, 1970. Second-class postage paid at Carbondale, Illinois 62901. Published by Southern Illinois University, Edwardsville, Illinois 62025, monthly except February, March, April, and December, when published semi-monthly.

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University Calendar

WINTER, 1970	Quarter Begins	Monday, January 5 (Classes 4:30 P.M. or later)
	Final Examinations	Monday–Saturday, March 16–21
SPRING, 1970	Quarter Begins	Monday, March 30 (Classes 4:30 P.M. or later)
	Memorial Day Holiday	Friday, May 29
	Final Examinations	Monday–Saturday, June 8–13
	Commencement (Carbondale)	Friday, June 12
	Commencement (Edwardsville)	Saturday, June 13
SUMMER, 1970	Quarter Begins	Monday, June 22
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5

Registration Calendar, Spring, 1970

EDWARDSVILLE CAMPUS

January 19–March 30.
General Studies Advisement, by appointment (call General Studies Office.)
March 11–12.
Open registration. 12:00 noon–6:30 P.M.
March 13.
Open registration. 8:30 A.M.–4:00 P.M.
March 14.
Open registration. 8:30 A.M.–2:00 P.M.
March 30.
Central registration. 8:00 A.M.–6:30 P.M.

ALTON CENTER

Registration will be held in the Student Union.
March 21.
Open registration. 9:00 A.M.–2:00 P.M.

ALL LOCATIONS

March 23.
First day for program changes.
March 30.
Evening classes (4:30 P.M. or later) begin.
March 31.
Day classes begin.
April 7.
Last day to add a class.
April 13.
Last day to be eligible for a refund of fees.
April 27.
Last day to withdraw from a class without receiving a grade.
May 25.
Last day to withdraw from school or a class.

1 / General Information

THIS BULLETIN contains the schedule of classes to be offered for the spring quarter of the 1969–70 school year. It also provides information relative to advisement and registration, fees, and allied information.

The Edwardsville Campus provides a full schedule of class offerings for day and evening students. Freshman and sophomore courses are scheduled for day and evening students at the Alton Center.

Guaranteed Center Schedule

A Guaranteed Schedule for the Alton Center has been established. Certain courses and sections at the Center are guaranteed on schedules extending through the fall, winter, and spring quarters. These classes will not be cancelled; they are coordinated to offer a variety of full-time academic programs for the incoming freshman as a day student, and they permit efficient progress for the new freshman evening student.

Classes at the Alton Center marked with a + in the schedule are part of this program. For details concerning the full year's schedule, see the separate brochure for the Alton Center.

Admission

Inquiries concerning admission to Southern Illinois University should be directed to the Admissions Office at Edwardsville. Applications for admission are accepted at any time during the calendar year but should be initiated at least 30 days prior to the start of the quarter which the student plans to attend.

A student must be officially admitted to the University before registration for classes will be permitted. Students who have not completed the admission requirements by the first day of the quarter will not be permitted to register. A student, to be permitted to attend classes at Southern Illinois University, must have completed registration, which includes admission, advisement, sectioning, and payment of fees.

Social Security Number

Each student seeking admission to the University will need to present a social security number for identification purposes. Any local social security office can provide assistance in obtaining a number or replacing a lost card.

At Alton the social security office is at 1623 Washington Street; at East St. Louis the office is at 435 Missouri Avenue; at Edwardsville the Illinois State Employment Office, 111 West Vandalia, provides social security information.

Required Tests

Each student entering Southern Illinois University directly from hig school is required to furnish to the University scores on the test batter administered by the American College Testing Program (A.C.T.). Thes tests are given at regional test centers throughout the United States i October, December, February, May, and August. Information and ap plication blanks are normally available through the high school guidanc director or principal, or may be obtained by writing directly to: Amer can College Testing Program, Box 168, Iowa City, Iowa.

A student who finds it impossible to take the A.C.T. tests may hav scores from the College Entrance Examination Board (C.E.E.B.) sul mitted. The specific scores, which must be submitted if the C.E.E.I tests are submitted, are Scholastic Aptitude Test, English Compositic Test, and Mathematics (Intermediate) Test. In order to have identic test data, a student who submits C.E.E.B. test data will be required t submit scores from the A.C.T. no later than one month after registratio

Transfer students are required to furnish A.C.T. scores to the Stude Counseling and Testing Center. (A transcript of these scores is availab by sending one dollar and a written request to the American Colle Testing Program in Iowa City.) If the scores are on file at the student former school, a request should be made for their forwarding. Test scor are not normally sent with a person's transcript of grades and must b requested separately from the appropriate office at the former school. the A.C.T. tests have not been taken, arrangements to do so should b made.

Advisement

The advisement system requires all new students to have initial advis ment through the General Studies Advisement Office. An office maintained at the Alton Center for the convenience of the studer Freshmen and sophomores will continue to be advised each quarter pri to registration. Following the student's declaring a major (betwe reaching 64 and 96 hours of credit), the student is assigned to an a viser in his concentration area. Each student is required to declare concentration upon achieving 96 hours of credit. Probationary studen are also required to receive advisement prior to registration.

Graduate students, both classified and unclassified, must have the schedule approved at the Graduate Office before registering.

Students with a declared major in the Education Division must recei advisement from the Division office prior to registering.

All students should arrange to have advisement early to be sure the schedules will be approved before their registration.

Required Physical Examinations

Each new student desiring to enroll at Southern Illinois University required to have a physical examination completed prior to his init registration for classes. A special medical form is provided which is be completed by the student and his personal physician and returned the University Health Service.

Registration

tudents may register at Edwardsville for classes at any location (see dwardsville Registration Calendar, p. iv). Students wishing classes the Alton Center, or at the Center and at Edwardsville, may register the Alton Center during the period listed on the Registration Calen-ar. All General Studies students are required to have approval of their hedule by the General Studies Advisement Office.

Each classified graduate student must have his schedule approved by s adviser and the Dean of the Graduate School before registering for asses at the Enrollment Center. Unclassified graduate students need nly the approval of the Dean of the Graduate School. Special cards for is purpose are available at the Graduate Office, 2202 General Office uilding.

During the registration process the student goes to the enrollment of-e where the assignment is made to specific sections of the courses he to take.

New Students

tudents entering the University for the first time are permitted to gister only after they have been admitted to the University as evi-nced by their receiving the Certificate of Admissions.

Dates for new undergraduate students, freshmen and transfer, will be lective ones in which the students are asked to come to the campus specific registration dates as determined by the University. Students ould not expect to be advised and registered on the same date they e admitted. Appointments for registration will be mailed from the gistrar's Office.

New graduate students after advisement may register during the gistration period as shown on the Registration Calendar on page iv. rrangements should be cleared with the Graduate School to assure that e appropriate adviser will be available before coming to the campus.

Re-Entering Students

udents who have attended the University at some former time but not ring the session immediately prior to the time they plan re-entry are pected to register during the periods outlined in the Registration lendar. Readmission must be completed prior to registration.

Current Students, Edwardsville Campus

r admittance to registration students previously enrolled must present ir Southern Illinois University ID cards. No one will be permitted register without an ID card. Each student currently registered in the iversity will be continued in his present course of study unless a nge of concentration is made. A change of concentration is initiated h the chief academic adviser. The change should be made at the e of advisement; the registrar's copy of the change form should ac-pany the student's registration. A change of concentration made r a registration has been processed will not be reflected in the stu-t's record until the next registration.

Upperclass students who have declared a concentration and who a currently registered in the University may be self-advised for registr tion purposes. This does not apply to Business Division or Educatic Division students. Academic advisement is available and is very desi able. The student should prepare his desired program of classes at eac registration period and process through the sectioning area of the e rollment office in accordance with the time of his appointment in ord to best achieve the desired schedule of classes and time periods.

Current Students, Carbondale Campus

A student currently enrolled in and attending classes on the Carbonda Campus who desires to register on the Edwardsville Campus will initia his registration at the sectioning area of the enrollment center in E wardsville in accordance with the registration calendar except that l may register on the first day of the quarter. Each student will comple the intra-university transfer data form to secure information necessa for the Edwardsville data processing center preparation of registrati materials. The student who registers on the first day of the quart should present his most recent grade report to confirm scholastic eligibili to register.

For the purpose of advisement, the student may wish to have a co of his transcript sent to the Edwardsville Campus prior to registratic

Payment of Fees

All fees are payable at the time of registration. Upon payment of fe the fee statement and receipt card will be stamped by the Busine Office and returned to the student as a fee receipt. The card should carried at all times. It serves as official authorization to attend class as scheduled and must be presented to obtain books and activity car and to process program changes.

Students unable to pay fees at the time of registration may secu short-term loans from the Student Work and Financial Assistance C fice. This must be done before registering.

Fees for a Regular Quarter

The fee schedule is as follows: *

	Not more than 5 hrs.	More than 5, less than 11	11 or m
Tuition Fee—Illinois Resident	$22.00	$45.00	$67.0
Tuition Fee—Out of State Resident	(69.00)	(137.00)	(206.0
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.0
Book Rental Fee	3.00	6.00	8.0
Student Activity Fee	3.50	7.00	10.5
University Center Fee	5.00	5.00	5.0
Athletic Fund Fee	3.00	6.50	10.0
Total—Illinois Resident	$41.50	$79.50	$115.5
Total—Out of State Resident	(88.50)	(171.50)	(254.5

* Fees are subject to change whenever conditions make changes nec sary.

Graduate students do not rent their textbooks and do not pay the book rental fee. They purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status. Prior to registration this student will go to the Student Work and Financial Assistance Office to secure certification.

Late Registration Fee

The first day of a quarter is considered the last day of the regular registration period. Registrations thereafter, including those for classes "to be arranged" are considered late registrations and are assessed a late registration fee of $5.00.

Changing Fee Status

Students making program changes which result in their changing from one fee status to a higher fee status will be assessed additional tuition and fees. Students changing from a higher fee status to a lower fee status may apply for a refund provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar on page iv.

Academic Load

The normal class load is 16 quarter hours for undergraduate students and 12 quarter hours for graduate students. The maximum load for both is 18 hours. A student with a 4.25 average or above for the preceding quarter may be allowed by written permission of the chief academic adviser or by the dean of his division to take as many as 21 hours. In no case may a student carry or be credited with more than 21 hours in any quarter. A student on probation may not take more than 14 quarter hours.

A person should not register for more than 8 hours if he is employed full time.

The Selective Service System requires a minimum of 12 hours for an undergraduate and 8 hours for a graduate to qualify for a student deferment. There is a further requirement that he complete 48 hours each year.

The National Defense Education Act requires a minimum of 12 hours to qualify for a student loan.

For students receiving benefits under the "GI Bill" (P.L. 358) the following regulations apply:

	Undergraduate	*Graduate*
Full benefits	14 or more hrs.	12 or more hrs.
benefits	10–13 hrs.	9–11 hrs.
benefits	7–9 hrs.	6–8 hrs.

Prerequisites

Students are responsible for checking course prerequisites in the undergraduate and graduate catalogs and in this class schedule. Those who do not have specific prerequisites for a course may register for it only if they have had a comparable course or have written consent of the instructor.

Auditing of Courses

A student may register for courses in an "audit" status. He receives no letter grade and no credit for such courses. An auditor's registration card must be marked accordingly. He pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter.

Registering for and Dropping Courses

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program adjustment be approved permitting registration in that class. A student is officially registered only for those courses and sections appearing on his registration cards. Changes can be made only after fees are paid and must be made through an official program change at the Enrollment Center.

A student desiring to make a program change must secure approval of his adviser. He will then go to the Enrollment Center. (A student at Alton may initiate his request to drop a course by going to the General Office.) He is required to present his fee receipt program card and must complete the following procedure. (1) After having been cleared with the Enrollment Center, program changes for which a program change fee is assessed must be presented to the Business Office for payment. (2) The student immediately returns the program change to the Enrollment Center in the Registrar's Office for final processing. (3) A student has not completed his program change until he presents it to the Enrollment Center. NO CHANGE IS OFFICIAL UNTIL THE PRECEDING PROCEDURE IS COMPLETED.

A student who finds it necessary to make an adjustment to his program by adding or dropping a course may do so during normal office hours at the Edwardsville Enrollment Office. (No changes will be made on the first day of the quarter.) A program adjustment must be made to drop or add a course. A student may not drop a course merely by stopping attendance. Failure to officially drop a course may result in academic penalty.

Withdrawal from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Student Affairs Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed within the first two weeks of a quarter and if the application for a refund is received in the Registrar's Office within two weeks following the last regular registration period. See the Registration Calendar in this bulletin for the specific dates concerning withdrawal and refunding of fees.

A student who registers and then finds that he cannot attend school must also officially withdraw from school. He may do this by asking the Student Affairs Office to initiate official withdrawal action for him. This must be done by the end of the first two weeks if he expects to get a refund.

Cancellation of Registration

A registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Director of Student Affairs.

Personal Data Changes

Changes in personal data should be reported promptly. Types of change and method of reporting are:

1. ADDRESS CHANGES. Should be reported immediately either at the time of registration or at the Registrar's Office.
2. NAME CHANGES. Should be made at the Registrar's Office. Verification is required.
3. MARITAL STATUS CHANGES. Should be made at the Registrar's Office.
4. LEGAL RESIDENCE CHANGES (whether an Illinois or out-of-state resident.) Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

Hospitalization

Health and hospitalization insurance is offered to all students. Cost of the insurance is $9.00 per quarter for single and $28.20 per quarter for family plan. This insurance is available at the time of registration.

2 / Schedule of Classes

Except for the Guaranteed Center Schedule, the University reserves the right to cancel, combine, divide, or limit enrollment in any class or classes; to change the date, time, or place of meeting; to make any other revisions in these course offerings which may become desirable or necessary; and to do so without notice and without incurring obligation.

Explanation of the Schedule

Courses are listed numerically within each subject-matter area. The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the number of quarter hours of credit and the descriptive title. The prerequisites, if any, appear in brackets after the title or on the line immediately below the title.

Section-Number Lines: The first column lists the section numbers. Those sections offered at Edwardsville always begin with 0; those sections offered at Alton always begin with 2; those sections offered at East St. Louis always begin with 4. Following each section number is the time the class begins, between 8:00 A.M. and 4:20 P.M. for daytime classes. An ending time is listed only if the class period is longer than 50 minutes. The section number of each evening class has the letter E prefixed. A + indicates a section which is part of the Guaranteed Center Schedule and is not subject to cancellation. The days when the class meets, the place where it meets, and the instructor's last name complete the entry.

The course numbering system is as follows:

000–099 Courses not properly falling in the following categories
100–199 For freshmen
200–299 For sophomores
300–399 For juniors and seniors
400–499 For seniors and graduate students
500–600 For graduate students only

Students registering for courses listed as TBA (to be arranged) should consult the instructor indicated, or the faculty office if no instructor is listed, to determine time and place of meeting.

The following list of building abbreviations will help in the location of classrooms.

ANA —Annex A—Alton
CB —Communications Bldg.—Edwardsville
ESL —East St. Louis Center
Gym —Gymnasium—Alton
LB —Lovejoy Memorial Library—Edwardsville
PB —John Mason Peck General Classroom Building—Edwardville

SCI —Science Building—Alton
SL —Science Laboratory Building—Edwardsville
UC —University Center—Edwardsville
Wagner —Wagner Building—Edwardsville
Pract Ctr—Practicum Center—Edwardsville

Final Examination Schedule, Spring Quarter, 1970
June 8–13, 1970

	Mon. June 8	Tues. June 9	Wed. June 10	Thurs. June 11	Fri. June 12	Sat. June 13
8:00 to 9:40	All classes beginning at 8:30, except Tu and/or Th only	Classes beginning at 8:30 Tu and/or Th only	Classes beginning at 9:30 Tu and/or Th only	All classes beginning at 9:30, except Tu and/or Th only	Multiple Section Block (GSA 201a) See Announcement	At regular class sessions
10:00 to 11:40	Classes beginning at 10:30 Tu and/or Th only	All classes beginning at 11:30, except Tu and/or Th only	All classes beginning at 10:30, except Tu and/or Th only	Classes beginning at 11:30 Tu and/or Th only	Make-up	
12:20 to 2:00	All classes beginning at 1:30, except Tu and/or Th only	All classes beginning at 12:30, except Tu and/or Th only	Multiple-Section Block (Speech) See Announcement	Classes beginning at 1:30 Tu and/or Th only	Classes beginning at 12:30 Tu and/or Th only	
2:20 to 4:00	Classes beginning at 2:30 Tu and/or Th only	Classes beginning at 3:30 Tu and/or Th only	All classes beginning at 3:30, except Tu and/or Th only	All classes beginning at 2:30, except Tu and/or Th only	Make-up	
Evening Classes	At regular sessions					

101a-5	Introduction to Physical Science [Math 101 or satisfactory score on placement test] Student enrolls in one lecture and one lab.	Lect A	9:30	MTWThF	SL 1105
		Lect B	12:30	MTWThF	SL 1105
		001	10:30-12:20	M	SL 1217
		002	12:30-2:20	M	SL 1217
		003	2:30-4:20	M	SL 1217
		004	8:30-10:20	T	SL 1217
		005	10:30-12:20	T	SL 1217
		006	12:30-2:20	T	SL 1217
		007	2:30-4:20	T	SL 1217
		008	8:30-10:20	W	SL 1217
		009	10:30-12:20	W	SL 1217
		010	12:30-2:20	W	SL 1217
		011	2:30-4:20	W	SL 1217
		012	8:30-10:20	Th	SL 1217
		013	10:30-12:20	Th	SL 1217
		014	12:30-2:20	Th	SL 1217
		015	2:30-4:20	Th	SL 1217
		016	8:30-10:20	F	SL 1217
		017	10:30-12:20	F	SL 1217
		018	12:30-2:20	F	SL 1217
		019	2:30-4:20	F	SL 1217
101c-3	Introduction to Physical Science [101a]	001	8:30	T Th	SL 3114
			8:30-10:20	M	SL 1209
		002	8:30	T Th	SL 3114
			12:30-2:20	M	SL 1209
		003	8:30	T Th	SL 3114
			10:30-12:20	T	SL 1209
		004	8:30	T Th	SL 3114
			12:30-2:20	T	SL 1209
		005	8:30	T Th	SL 3114
			8:30-10:20	W	SL 1209
		006	8:30	T Th	SL 3114
			10:30-12:20	Th	SL 1209
		007	8:30	T Th	SL 3114
			12:30-2:20	Th	SL 1209
		008	8:30	T Th	SL 3114
			8:30-10:20	F	SL 1209
		009	8:30	T Th	SL 3114
			12:30-2:20	F	SL 1209

101c-3	Introduction to Physical Science	e010	7:30	M W	SL 3114	
			3:30-5:20	M	SL 1209	
		e011	7:30	M W	SL 3114	
			5:30-7:20	M	SL 1209	
		e012	7:30	M W	SL 3114	
			8:30-10:20	M	SL 1209	
		e013	7:30	M W	SL 3114	
			3:30-5:20	W	SL 1209	
		e014	7:30	M W	SL 3114	
			5:30-7:20	W	SL 1209	
		e015	7:30	M W	SL 3114	
			8:30-10:20	W	SL 1209	
110a-4	The Earth and Its Environment	001	9:30	MTWF	PB 1410	
			8:30-10:20	F	SL 1215	
		002	11:30	MWF	SL 3114	Marlow
			11:30	T Th	PB 1402	
			11:30-1:20	F	SL 1215	
		003	11:30	M W	SL 3114	Marlow
			11:30	T Th	PB 1402	
			11:30-1:20	Th	SL 1215	
		004	2:30	MTWTh	PB 1410	Thompson
			2:30-4:20	Th	SL 1215	
		+e201	6:00-8:20	T Th	ANA 110	Olson
110b-4	The Earth and Its Environment	001	9:30	TWThF	SL 3114	Miller
			8:30-10:20	T	SL 1215	
		002	9:30	MWThF	SL 3114	Miller
			8:30-10:20	M	SL 1215	
		003	12:30	TWThF	SL 3114	Gore
			11:30-1:20	M	SL 1215	
		004	12:30	TWThF	SL 3114	Gore
			11:30-1:20	T	SL 1215	
		e005	6:00-8:20	M W	SL 1215	Fisher
201a-4	Man's Biological Inheritance [High school chemistry] Lectures will be given by CC-TV. Student enrolls in one lecture and one lab.	Lect A	12:30	MWF	PB 1410	
		Lect B	12:30	MWF	PB 1312	
		Lect C	12:30	MWF	PB 1315	
		Lect D	12:30	MWF	PB 1316	
		Lect eE	4:30	MWF	PB 1316	
		001	8:30-10:20	M	SL 1215	

		004	3:30-5:20	M	SL 1210	
		e005	5:30-7:20	M	SL 1210	
		006	8:30-10:20	M	SL 2211	
		007	10:30-12:20	M	SL 2211	
		008	1:30-3:20	M	SL 2211	
		011	8:30-10:20	T	SL 1210	
		012	10:30-12:20	T	SL 1210	
		013	12:30-2:20	T	SL 1210	
		014	2:30-4:20	T	SL 1210	
		e015	4:30-6:20	T	SL 1210	
		021	8:30-10:20	W	SL 1210	
		022	10:30-12:20	W	SL 1210	
		023	1:30-3:20	W	SL 1210	
		024	3:30-5:20	W	SL 1210	
		031	8:30-10:20	Th	SL 1210	
		032	10:30-12:20	Th	SL 1210	
		033	12:30-2:20	Th	SL 1210	
		034	2:30-4:20	Th	SL 1210	
201b-4	Man's Biological Inheritance [201a] Lectures will be given by CC-TV. Student enrolls in one lecture and one lab.	Lect A	8:30	MWF	PB 1315	
		Lect B	8:30	MWF	PB 1312	
		Lect C	8:30	MWF	PB 1316	
		001	9:30-11:20	F	SL 1210	
		002	11:30-1:20	F	SL 1210	
		003	1:30-3:20	F	SL 1210	
		004	3:30-5:20	F	SL 1210	
		005	9:30-11:20	F	SL 2211	
		006	11:30-1:20	F	SL 2211	
		007	1:30-3:20	F	SL 2211	
		008	9:30-11:20	W	SL 2211	
		009	11:30-1:20	W	SL 2211	
		010	1:30-3:20	W	SL 2211	
312-3	Conservation of Natural Resources	001	11:30	MWF	PB 0306	Miller
		002	11:30	T	PB 0306	Lossau
			11:30-1:20	Th	PB 0306	
		003	9:30	MWF	PB 1315	Kazeck
		004	11:30-12:45	T Th	PB 1410	Bridwell
		005	11:30	MWF	PB 1410	Kircher
		e006	8:30-9:45	T Th	PB 1410	Kilburn
		007	1:30	MTW	SL 1215	Clements

320-3	Plants and Civilization [201]	001	8:30	MWF	PB 0312	Keating
322-3	Introduction to Rocks and Minerals	001	10:30	TWThF	SL 1215	Gore
330-3	Weather	001	8:30	MTWF	PB 0306	Bridwell
		002	12:30	MTWF	PB 0306	Scofield
331-3	Climate	001	9:30	MTWTh	PB 0306	Marlow
		002	10:30	TWThF	PB 0306	Scofield
		e003	6:30-8:20	T Th	PB 0306	Scofield
		004	1:30	TWThF	PB 0306	Thompson
		+201	10:30	MTWTh	ANA 110	Thompson
350-3	Atomic Energy	001	12:30	TThF	SL 1225	
		002	10:30	MWF	SL 1220	
356-3	Astronomy	001	10:30-11:45	T Th	SL 3114	
		002	1:30	MWF	PB 0312	
		003	8:30	MWF	PB 1414	
		004	2:30	MWF	PB 2306	
		e005	8:30-9:45	M W	SL 0226	
363a-3	Philosophy of Science (Same as GSC 363a) [Completion second-level GSA]	001	8:30	MTTh	PB 2411	Solon
		002	9:30	MTTh	PB 2411	Solon
		003	1:30-2:45	T Th	PB 1311	Emblom
363b-3	Philosophy of Science (Same as GSC 363b) [Completion second-level GSA]	e001	6:30-7:45	T Th	PB 0307	

MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB)

101b-4	Survey of Western Tradition	001	12:30	MWF	PB 1402	Weingartner
			12:30	T	SL 1221	
		002	12:30	MWF	PB 1402	Weingartner
			12:30	Th	SL 1221	
		003	12:30	MWF	PB 1402	Weingartner
			12:30	T	SL 1224	
		004	12:30	MWF	PB 1402	Weingartner
			12:30	Th	SL 1224	
			12:30	T	SL 2324	

		007	12:30	MWF	PB 1402	Weingartner
			12:30	T	PB 0302	
		008	2:30	MWF	PB 1402	Kimball
			2:30	T	SL 1221	
		009	2:30	MWF	PB 1402	Kimball
			3:30	Th	PB 0307	
		010	2:30	MWF	PB 1402	Kimball
			2:30	T	PB 1308	
		011	2:30	MWF	PB 1402	Kimball
			3:30	Th	PB 0406	
		012	2:30	MWF	PB 1402	Kimball
			2:30	T	PB 0413	
		013	2:30	MWF	PB 1402	Kimball
			3:30	Th	PB 2406	
		014	2:30	MWF	PB 1402	Kimball
			2:30	T	PB 2412	
		e015	6:30-8:20	M W	PB 1306	Steckling
101c-4	Survey of Western Tradition	001	9:30	MWF	PB 1402	Steckling
			9:30	T	SL 1220	
		002	9:30	MWF	PB 1402	Steckling
			9:30	Th	SL 1220	
		003	9:30	MWF	PB 1402	Steckling
			9:30	T	PB 1311	
		004	9:30	MWF	PB 1402	Steckling
			9:30	Th	SL 1221	
		005	9:30	MWF	PB 1402	Steckling
			8:30	T	PB 1308	
		006	9:30	MWF	PB 1402	Steckling
			8:30	Th	PB 0306	
		007	9:30	MWF	PB 1402	Steckling
			8:30	T	PB 1311	
		008	10:30	MWF	PB 1402	Barnhart
			10:30	T	PB 1312	
		009	10:30	MWF	PB 1402	Barnhart
			10:30	Th	PB 2306	
		010	10:30	MWF	PB 1402	Barnhart
			10:30	T	PB 2306	
		011	10:30	MWF	PB 1402	Barnhart
			10:30	Th	PB 2403	

101c-4	Survey of Western Tradition	012	10:30	MWF	PB 1402	Barnhart
			10:30	T	PB 2403	
		013	10:30	MWF	PB 1402	Barnhart
			10:30	Th	PB 1311	
		014	10:30	MWF	PB 1402	Barnhart
			10:30	T	PB 1311	
		e015	6:30-8:20	T Th	PB 1306	Santoni
103a-4	Sociology-Economics	001	8:30-10:20	T Th	PB 1315	Lauer
		002	9:30	MTWTh	LB 0042	
		003	10:30	MTWTh	LB 0042	
		004	11:30	TWThF	LB 0042	
		005	12:30	TWThF	LB 0042	
		006	12:30-2:20	T Th	PB 0312	Humphrey
		007	2:30-4:20	T Th	PB 2306	Reynolds
		008	3:30-5:20	M W	PB 2306	Henslin
		e009	6:30-8:20	T Th	PB 2306	
		+201	8:30	MTWTh	ANA 108	
103b-4	Sociology-Economics	001	10:30-12:20	T Th	SL 1105	
		002	10:30-12:20	W F	PB 0312	
		003	2:30-4:20	M W	SL 1105	
		004	2:30-4:20	T Th	PB 3316	
		e005	6:30-8:20	M W	PB 1315	
		+e201	8:30-10:20	T Th	ANA 101	
105b-4	The Black Experience in American Life	001	1:30	MTWTh	LB 0042	McAfee
		e002	6:30-8:20	T Th	LB 0042	Taylor
201a-4	The Individual and His Cultural Environment	001	8:30	MTWTh	PB 1410	Coppinger
		002	9:30	MTWTh	PB 1316	Voget
		003	10:30	MTWTh	PB 1315	Denny
		004	11:30	MTWTh	PB 1315	Maloney
		005	3:30-5:20	M W	PB 1402	Hayes
201c-4	The Individual and His Cultural Environment	001	9:30-11:20	T Th	PB 1402	
		002	1:30-3:20	T Th	SL 3114	
		003	1:30	MTWTh	PB 1315	

			9:30	T Th	SL 2224	
		003	10:30	MTWTh	PB 1316	Jachim
		004	11:30	MTWTh	PB 1414	Wides
		005	12:30	MTWTh	PB 1414	McCabe
		006	1:30	MTWTh	PB 1414	Haydar
		007	2:30	MTWTh	PB 1315	Tubbesing
		e008	6:30-8:20	M W	PB 1414	Maier
203b-4	American Politics in the World Environment	001	10:30	MTWF	PB 1410	Lampe
		002	1:30	MTWF	PB 1410	Lampe
		e003	6:30-8:20	T Th	PB 1410	Maynard
300a-3	History of the United States	001	8:30	MWF	PB 1306	Barnhart
		002	8:05-9:20	T Th	PB 1307	Wilton
		003	10:30	MWF	PB 1306	Nordhauser
		004	12:30	MWF	PB 1306	Sand
		005	2:30	MWF	PB 1306	Sand
		006	3:30	MWF	PB 1306	Branz
		e007	8:30-9:45	M W	PB 0304	Farrar
		+201	9:30	MWF	ANA 108	Heape
300b-3	History of the United States	001	8:30	MWF	PB 1307	Nordhauser
		002	12:30	MWF	PB 1307	Barnhart
		003	2:30	MWF	PB 1307	Branz
		e004	6:30-7:45	T Th	PB 1307	Oldani
300c-3	History of the United States	001	9:30	MWF	PB 1306	Sand
		002	11:30	MWF	PB 1306	McAfee
		003	1:30	MWF	PB 1306	Weiss
		e004	6:30-7:45	M W	PB 1307	Branz
302-3	Contemporary Social Problems	001	12:30	MWF	PB 0312	Haas
		002	9:30	MWF	PB 0312	Grubb
311-3	Economic Development of the United States	e001	8:30-10:20	T Th	PB 3316	
318b-3	American Local Government [203a or consent of faculty chairman]	001	2:30	M W	PB 2304	Wides
			2:30	T	SL 1225	

331-3	The American Educational System	001	10:30-11:45	T Th	PB 2304	Hofmann
		002	2:30-3:45	M W	PB 2409	Pierce
		003	9:30-10:45	W	PB 0303	Taylor
			9:30-10:45	F	PB 3313	
		004	11:30-12:45	T Th	PB 1308	Richards
		005	2:30-3:45	T Th	PB 1307	Richards
		006	11:30-12:45	W	PB 0303	Hildebrand
			11:30-12:45	F	PB 1412	
		007	8:30-9:45	W F	PB 2411	Hildebrand
		008	9:30-12:20	S	PB 0314	Eaton
		009	9:30-10:45	T Th	PB 1307	Taylor
		010	12:30-1:45	W	PB 2409	Taylor
			12:30-1:45	F	PB 1414	
		011	11:30	MWF	PB 3404	Allsup
		e012	5:30-8:20	M	TBA	
		013	1:30-2:45	T Th	TBA	
341-3	Marriage	001	2:30-3:45	T Th	LB 0042	Taylor
		e002	5:30-8:20	M	PB 2306	Biggs
		003	9:30	MWF	PB 1312	Biggs
369-3	The Contemporary Far East	e001	8:30-9:45	T Th	PB 1306	Chen
388-3	Communism [Completion second-level GSB]	001	8:30	MWF	PB 2409	Keene

MAN'S INSIGHTS AND APPRECIATIONS (GSC)

151-3	Introduction to Poetry [GSD 101b]	001	9:30-10:45	T Th	PB 3422	
		002	11:05-12:20	T Th	PB 3422	
		003	12:30-1:45	T Th	PB 3422	
		004	9:30	MWF	PB 3422	
		005	12:30	MWF	PB 3422	
		006	8:30	MWF	PB 3422	
		007	11:30	MWF	PB 3422	
		008	10:30	MWF	PB 3422	
		009	2:30	MWF	PB 3422	
		010	11:05-12:20	T Th	PB 3409	
		011	8:05-9:20	T Th	PB 3422	
		012	12:30	MWF	PB 3409	
		013	10:30	MWF	PB 3409	

017	12:30	MWF	PB 2413
018	9:30	MWF	PB 3409
019	8:30	MWF	PB 2415
020	11:30	MWF	PB 3409
021	12:30-1:45	T Th	PB 3409
022	8:05-9:20	T Th	PB 3409
023	3:30	MWF	PB 3409
024	12:30	MWF	PB 2414
025	10:30	MWF	PB 2415
026	2:30	MWF	PB 3409
027	9:30	MWF	PB 2415
028	2:05-3:20	T Th	PB 2415
029	11:30	MWF	PB 2415
030	3:30	MWF	PB 2415
031	8:05-9:20	T Th	PB 2415
032	2:30	MWF	PB 2415
033	12:30-1:45	T Th	PB 2415
034	3:30	MWF	PB 2414
035	9:30	MWF	PB 2414
036	1:30	MWF	PB 3422
037	1:30	MWF	PB 3409
038	8:30	MWF	PB 2414
039	2:30	MWF	PB 2414
040	11:30	MWF	PB 2414
041	10:30	MWF	PB 2414
042	3:30	MWF	PB 2413
043	9:30-10:45	T Th	PB 3409
044	1:30	MWF	PB 2415
045	12:30	MWF	PB 2413
046	11:05-12:20	T Th	PB 2415
047	2:05-3:20	T Th	PB 3409
048	8:30	MWF	PB 2413
049	1:30	MWF	PB 2414
050	11:30	MWF	PB 2413
051	9:30	MWF	PB 2413
052	2:30	MWF	PB 2413
053	9:30-10:45	T Th	PB 2415
054	10:30	MWF	PB 2413
e055	6:30-7:45	M W	PB 3422
e056	6:30-7:45	T Th	PB 3422
e057	8:30-9:45	M W	PB 3422

151-3	Introduction to Poetry	e058	8:30-9:45	T Th	PB 3422	
		059	10:30	MWF	PB 0309	
		060	2:30	MWF	PB 0413	
		+201	8:30	MWF	ANA 110	
		+202	10:30	MWF	ANA 111	
		+e203	6:30-7:45	T Th	ANA 111	
		+e204	8:30-9:45	M W	ANA 110	
		+e205	8:30-9:45	T Th	ANA 110	
155-5	Introduction to Art	001	8:30	MTWThF	LB 0044	Burnett
		002	9:30	MTWThF	LB 0044	Jacobson
		003	3:30	MTWThF	LB 0044	H. Smith
156-5	Introduction to Music History-Literature	001	8:30	MTWThF	PB 1402	Turner
		002	1:30	MTWThF	PB 1402	Ferguson
		+201	10:30	MTWThF	SCI 102	H. Fjerstad
157-5	The Dramatic Media	001	10:30	MTWThF	LB 0044	Kluth
		002	11:30	MTWThF	LB 0044	Archer, Vilhauer
252-4	Logic [Completion first-level GSC]	001	8:05-9:20	T Th	SL 1105	Paxson
			8:30	F	PB 3316	
		002	8:05-9:20	T Th	SL 1105	Paxson
			8:30	F	PB 3315	
		003	8:05-9:20	T Th	SL 1105	Paxson
			10:30	F	PB 2412	
		004	8:05-9:20	T Th	SL 1105	Paxson
			9:30	F	PB 0408	
		005	8:05-9:20	T Th	SL 1105	Paxson
			9:30	F	PB 3315	
		006	8:05-9:20	T Th	SL 1105	Paxson
			10:30	F	LB 0042	
		007	10:30	MWF	SL 3114	Glossop
			3:30	W	PB 0303	
		008	10:30	MWF	SL 3114	Glossop
			1:30	W	SL 0226	

		011	10:30	MWF	SL 3114	Glossop
			10:30	Th	PB 2409	
		012	10:30	MWF	SL 3114	Glossop
			10:30	Th	PB 1412	
		013	11:30	MTWTh	PB 1316	Barker
		014	2:30	MTThF	PB 1312	Solon
		e015	8:30-10:20	M W	PB 2306	
		+e201	6:30-8:20	T Th	ANA 101	Hudlin
253-4	Literary Masterpieces of Antiquity [151]	001	8:30	MTThF	PB 0314	
		002	9:30	MTThF	PB 0314	
		003	10:30	MTThF	PB 0314	
		004	11:30	MTThF	PB 1311	
		005	12:30	MTThF	PB 0314	
		006	1:30	MTThF	PB 0314	
		007	2:30	MTThF	PB 0314	
		008	3:30	MTThF	PB 0314	
		e009	6:30-8:20	M W	PB 1311	
		+201	11:30	MTThF	ANA 110	
254-4	Philosophical Masterpieces [Completion first-level GSC]	001	8:30	MTThF	PB 0307	
		002	9:30	MTThF	PB 0307	
		003	9:30	MTThF	PB 0412	
		004	10:30	MTThF	PB 0307	
		005	11:30	MTThF	PB 0307	
		006	11:30	MTThF	PB 0412	
		007	12:30	MTThF	PB 0307	
		008	1:30	MTThF	PB 0307	
		009	2:30	MTThF	PB 0307	
		e010	6:30-8:20	M W	PB 0314	
		+201	9:30	MTThF	ANA 110	Hudlin
313-3	Folklore [Completion second-level GSC]	001	9:30-10:45	T Th	PB 1313	Oldani
315-3	Studies in Biography [Completion second-level GSC]	001	1:30	MWF	PB 1313	Steinman

325-3	Afro-American Literature [Completion second-level GSC]	001	9:30	MWF	PB 1313	Butler
333-3	The Bible As Literature [Completion second-level GSC]	001	11:30	MTTh	PB 0309	Murdoch
		002	10:30	MWF	PB 1414	Ades
335-3	Studies in Short Fiction [Completion second-level GSC]	001	1:30	MWF	PB 1307	
		002	2:30-3:45	T Th	PB 1313	
		e003	6:30-7:45	T Th	PB 1313	
336-3	Studies in the Novel [Completion second-level GSC]	001	12:30	MWF	PB 1308	
337-3	English Language Heritage [Completion second-level GSC]	001	2:30-3:45	T Th	PB 2414	Collins
339-3	Classical Mythology and Its Influence [Completion second-level GSC]	001	1:30	MWF	PB 0309	Drake
342-3	Modern Art	001	2:30	MWF	LB 0044	Richardson
345b-3	Masterpieces of World Literature [Completion second-level GSC]	+201	8:30	MWF	ANA 111	Guenther
354a-3	History of the Theater	001	1:30	MWF	PB 2306	Birdman
354c-3	History of the Theater	001	9:30	MWF	PB 2306	Archer
360a-3	Arts and Ideals in Famous Cities [Completion second-level GSC]	001	11:30	MTTh	PB 0314	F. Marti
363a-3	Philosophy of Science (Same as GSA 363a) [Completion second-level GSC]	001	8:30	MTTh	PB 2411	Solon
		002	9:30	MTTh	PB 2411	Solon
		003	1:30-2:45	T Th	PB 1311	Emblom
363b-3	Philosophy of Science (Same as GSA 363b) [Completion second-level GSC]	e001	6:30-7:45	T Th	PB 0307	
375-3	Ethics [Completion second-level GSC]	001	12:30	TThF	PB 0406	Lawrence
		002	2:30	TThF	PB 2409	Lawrence
391-3	Pragmatism [Completion second-level GSC]					

101a-3	English Composition	001	8:05-9:20	T Th	PB 2414
		002	8:05-9:20	T Th	PB 2413
		003	8:30	MWF	PB 1302
		004	8:30	MWF	PB 2406
		005	9:30-10:45	T Th	PB 2414
		006	9:30	MWF	PB 2406
		007	10:30	MWF	PB 2406
		008	11:05-12:20	T Th	PB 2414
		009	11:30	MWF	PB 2406
		010	11:30	MWF	LB 0051
		011	12:30-1:45	T Th	PB 2413
		012	12:30	MWF	PB 0412
		013	1:30	MWF	PB 2413
		014	2:05-3:20	T Th	PB 2413
		015	2:30	MWF	PB 2406
		016	3:30	MWF	PB 2406
		e017	6:30-7:45	M W	SL 1221
		018	10:30	MWF	PB 1311
		+201	1:30	MWF	ANA 110
		+e202	6:30-7:45	M W	ANA 110
101b-3	English Composition [101a]	001	8:05-9:20	T Th	PB 1302
		002	8:05-9:20	T Th	PB 2406
		003	8:30	MWF	LB 0051
		004	8:30	MWF	PB 1308
		005	9:30-10:45	T Th	PB 2413
		006	9:30	MWF	LB 0051
		007	10:30	MWF	LB 0051
		008	11:05-12:20	T Th	PB 2413
		009	11:30	MWF	PB 1308
		010	11:30	MWF	PB 1313
		011	12:30-1:45	T Th	PB 2406
		012	12:30	MWF	PB 2406
		013	1:30	MWF	PB 2406
		014	2:05-3:20	T Th	PB 2406
		015	2:30	MWF	LB 0051
		016	3:30	MWF	LB 0051
		e017	8:30-9:45	T Th	PB 3409
		+201	9:30	MWF	ANA 111
		+e202	8:30-9:45	M W	ANA 111

103-3	Oral Communication of Ideas	001	8:30	M W	PB 1309	Smith
			8:30	F	PB 2304	
		002	8:30	T Th	PB 1309	Smith
			8:30	F	PB 2304	
		003	9:30	M W	PB 1309	Smith
			9:30	F	PB 2304	
		004	9:30	T Th	PB 1309	Smith
			9:30	F	PB 2304	
		005	10:30	M W	PB 1309	Glenn
			10:30	F	PB 2304	
		006	10:30	T Th	PB 1309	Glenn
			10:30	F	PB 2304	
		007	9:30	M W	PB 1302	Glenn
			9:30	F	PB 3316	
		008	9:30	T Th	PB 1302	Glenn
			9:30	F	PB 3316	
		009	10:30	M W	PB 1302	Stein
			10:30	F	PB 3316	
		010	10:30	T Th	PB 1302	Stein
			10:30	F	PB 3316	
		011	11:30	M W	PB 1309	Stein
			11:30	F	PB 2304	
		012	11:30	T Th	PB 1309	Stein
			11:30	F	PB 2304	
		013	11:30	MWF	CB 0194	Smith
		014	12:30-1:45	T Th	PB 1313	Stoppe
		015	12:30	M W	PB 1302	Tirre
			12:30	F	PB 2304	
		016	12:30	T Th	PB 1302	Tirre
			12:30	F	PB 2304	
		017	12:30	M W	CB 0194	Kluth
			12:30	F	PB 3316	
		018	12:30	T Th	CB 0194	Kluth
			12:30	F	PB 3316	
		019	1:30	M W	PB 1302	Tirre
			1:30	F	PB 2304	
		020	1:30	T Th	PB 1302	Tirre
			1:30	F	PB 2304	
		021	1:30	MWF	PB 1309	Stein
		022	1:30	M	PB 0306	Hawkins
			1:30	W	LB 0051	

			1:30	F	PB 3316	
		024	2:30	MWF	PB 1302	Salden
		025	2:30	MWF	PB 1313	Robinson
		026	3:30	MWF	PB 1309	Robinson
		e027	4:30-5:45	M W	PB 0406	Robinson
		e028	6:30-7:45	T Th	PB 1309	Salden
		e029	8:30-9:45	T Th	PB 1309	Salden
		030	2:30	MWF	PB 1309	Tirre
		031	2:30-3:45	T Th	PB 1309	Carey
		+201	11:30	MWF	ANA 111	Hawkins
		+e202	8:30-9:45	T Th	ANA 111	Glenn
112b-5	Introduction to Mathematics [112a]	001	2:30	MWF	SL 3114	P. Phillips
			12:30	T Th	SL 0226	Van Vooren
		002	2:30	MWF	SL 3114	P. Phillips
			1:30	T	PB 0303	Kissel
			1:30	Th	PB 0408	
		003	2:30	MWF	SL 3114	P. Phillips
			2:30	T Th	SL 0226	Kissel
		004	2:30	MWF	SL 3114	P. Phillips
			11:30	T Th	CB 0194	Van Vooren
114a-5	College Algebra [One and one-half years algebra, one year high school geometry or equivalent]	001	10:30	MWF	SL 1105	Gwillim
			8:30	T Th	SL 1221	G. Phillips
		002	10:30	MWF	SL 1105	Gwillim
			8:30	T	SL 1225	McAuliffe
			8:30	Th	SL 1224	
		003	10:30	MWF	SL 1105	Gwillim
			9:30	T	SL 1224	G. Phillips
			9:30	Th	SL 1225	
		004	10:30	MWF	SL 1105	Gwillim
			10:30	T	SL 1224	McAulliffe
			10:30	Th	SL 1225	
		005	10:30	MWF	SL 1105	Gwillim
			11:30	T Th	PB 1313	
		006	10:30	MWF	SL 1105	Gwillim
			11:30	T	SL 1225	G. Phillips
			11:30	Th	SL 1224	
		e007	6:00-8:20	T Th	PB 0303	Campbell
		e201	6:00-8:20	M W	SCI 002	Scheibal

114c-4	Trigonometry [114a]	001	8:30	MTThF	SL 2224	Stenzel
		002	9:30	MTThF	PB 0302	Rowland
		003	10:30	MTThF	PB 0302	Rowland
		004	10:30	MTThF	PB 0303	Price
		005	2:30	MTThF	SL 2224	Beradino
		e006	6:30-8:20	T Th	PB 0302	Schumacher
		+201	11:30	MTWTh	SCI 002	Clark
114d-4	Statistics [114a]	001	8:30	MWThF	SL 1225	Sturley
		002	8:30	MTThF	SL 0226	McCormack
		003	2:30	MWThF	SL 1225	Hicks
		004	8:30-10:20	T Th	PB 0312	
		e005	8:30-10:20	M W	PB 1315	
		+e201	6:30-8:20	M W	ANA 108	
123b-3	Elementary French [123a, concurrent enrollment in Fr 123b]	001	10:30	MTW	PB 2409	
123c-3	Elementary French [123b, concurrent enrollment in Fr 123c]	001	9:30	MTTh	PB 2409	
		002	11:30	MTTh	PB 2409	
		003	1:30	MTTh	PB 2409	
126c-3	Elementary German [126b, concurrent enrollment in Ger 126c]	001	10:30	MTTh	PB 2410	
		002	11:30	MTTh	PB 2410	
		003	1:30	MTTh	PB 2411	
		e004	5:30-6:45	M W	PB 2409	
136a-3	Elementary Russian [No previous training, concurrent enrollment in Russ 136a]	e001	TBA			Zaytzeff
136c-3	Elementary Russian [136b, concurrent enrollment in Russ 136c]	001	10:30	MTTh	PB 3102	Zaytzeff
140c-3	Elementary Spanish [140b, concurrent enrollment in Span 140c]	001	10:30	MTTh	PB 2411	
		002	12:30	MTTh	PB 2409	
		003	2:30	MTTh	PB 2411	
		e004	6:30-7:45	M W	PB 2410	
144c-3	Elementary Italian [144b, concurrent	001	11:30	MTTh	PB 2411	Romani

102-1	Physical Fitness (Men)	001	8:30	M W	PB N Patio	
		002	9:30	T Th	PB N Patio	Whitted
		003	12:30	T Th	PB N Patio	
104n-1	Cross Country	001	TBA			Flamer
104t-1	Touch Football	001	10:30	T Th	PB N Patio	Whitted
104u-1	Wrestling	001	10:30	M W	TBA	Kristoff
112-1	Basic Body Movement (Women)	001	12:30	T Th	LB 0033	Martin
114j-1	Softball (Women) [Consent of instructor] Meets last eight weeks only.	001	12:30	MWF	PB N Patio	Archangel
114n-1	Field Hockey (Women) [Consent of instructor] Meets last eight weeks only.	001	1:30	MWF	PB N Patio	Archangel
114o-1	Physical Conditioning (Women)	001	2:30	M W	PB N Patio	Martin
115a,b,c-1	Restricted Physical Education [Consent of instructor]	001	TBA			Martin
116a-1	Beginning Swimming	001	10:30	T Th	Edw YMCA	
116b-1	Intermediate Swimming	001	10:30	T Th	Edw YMCA	
116d-1	Life Saving and Water Safety	001	9:30	T Th	Edw YMCA	Luedke
117a-1	Square Dance	001	8:30	M W	LB 0033	Carpenter
		002	9:30	M W	LB 0033	Carpenter
117b-1	Folk Dance	001	10:30	M W	LB 0033	Carpenter
		002	11:30	M W	LB 0033	Carpenter
117c-1	Social Dance	001	2:30	T Th	LB 0033	Martin
		002	3:30	T Th	LB 0033	Martin
117d-1	Beginning Contemporary Dance	001	1:30	T Th	LB 0033	Martin

117e-1	Intermediate Contemporary Dance	001	1:30	T Th	LB 0033	Martin
117f-1	Basic Rhythms	001	3:30	M W	LB 0033	Carpenter
		e002	4:30	M W	LB 0033	Carpenter
118a-1	Archery	001	12:30	M W	PB N Patio	Martin
		002	1:30	M W	PB N Patio	Martin
118d-1	Bowling	001	8:30	M W	UC 0017	Bigham
		002	9:30	M W	UC 0017	Showers
		003	9:30	T Th	UC 0017	Gallatin
		004	10:30	T Th	UC 0017	Gallatin
		005	8:30	T Th	UC 0017	Bigham
		006	10:30	M W	UC 0017	Bigham
118e-1	Golf Both sections meet last eight weeks only.	001	12:30	TThF	PB N Patio	Bigham
		002	1:30	TThF	PB N Patio	Bigham
118f-1	Billiards Both sections meet first six weeks only.	001	8:30	MTWTh	UC 0017	Hendricks
		e201	5:30	M W	GYM 102	Hendricks
118h-1	Tennis	001	TBA			
		+201	1:30	M W	GYM 102	Whitted
118i-1	Volleyball	001	10:30	M W	PB N Patio	Whitted
118w-1	Track and Field Meets first regular class session; activity begins April 13.	e001	4:30	MTW	PB 0307	Luedke
201-3	Healthful Living	001	8:30	MTW	LB 0042	Kristoff
		002	10:30	MWF	PB 2306	Klein
		003	11:30	MWF	PB 0304	Whitted
		004	1:30-2:50	T Th	SL 1105	Buddell
		005	3:30	TThF	SL 3114	Bigham

300-0	Corps Training [By permit only, concurrent enrollment in 303]	001	8:30	T	PB 0411	Blahous
303-3	Professional Officer Course [By permit only, concurrent enrollment in 300]	001 002	8:30 1:30	MWTh MWTh	PB 3317 PB 3317	Blahous Hancock
ACCOUNTING (ACCT)						
230-4	Accounting Principles [Sophomore standing, consent LIFT for Section 002]	001 002	10:30-12:20 10:30-12:20	M W M W	PB 2405 PB 3315	
231-4	Financial Accounting Analysis [230, Consent LIFT for Section 001]	001 e002	8:30-10:20 8:30-10:20	M W M W	PB 3315 PB 2405	
330-4	Managerial Cost and Budgeting [231, Consent LIFT for Sections 002 and 003]	001 002 003	8:30-10:20 8:30-10:20 12:30-2:20	T Th T Th T Th	PB 2405 PB 3315 PB 3315	
331-4	Principles of Income Taxation [231]	001	8:30-12:20	S	PB 3303	
341-4	Cost Accounting Principles [231]	e001	6:30-8:20	M W	PB 3316	
351a-4	Accounting Theory and Problems I [231]	001 002	8:30-10:20 12:30-2:20	T Th T Th	PB 2304 PB 2304	
351b-4	Accounting Theory and Problems II [351a]	001	12:30-2:20	M W	PB 2304	
439-1 to 4	Independent Study in Accounting	001	TBA			
442-4	Advanced Cost Accounting [341]	e001	8:30-10:20	M W	PB 3316	
453-4	Advanced Accounting Problems [351b]	001	2:30-4:20	T Th	PB 2304	
456-4	Auditing [351b, 442]	e001	6:30-8:20	T Th	PB 2304	
530-4	Conceptual Framework of Accounting [MBA students only]	001	8:30-12:20	S	PB 3315	

ANTHROPOLOGY (ANTH)

305b-3	Peoples and Cultures of the World: Asia	001	11:30 11:30 11:30	M T W	LB 0042 PB 3102 PB 2409	Hayes
400-4	Man and Culture	001	2:30-4:20	T Th	PB 2410	Maloney
432-4	Archeology of the Midwest	001	2:30-4:20	M W	PB 3313	Denny
452-4	Political Anthropology	001	9:30	MTWTh	PB 1308	Coppinger
482-4	Indians of the Plains	001	10:30	MTWTh	PB 3317	Voget

ART (ART)

100a-5	Basic Studio: Drawing	001 002	8:30-11:20 1:30-5:50	MWF T Th	SL 0218 SL 0218	J. Smith Hampton
100b-5	Basic Studio: Studio and Design	001 002	11:30-2:20 8:30-11:20	MWF MWF	SL 0225 SL 0225	Milovich Huntley
100c-5	Basic Studio: Figure Drawing Four hours TBA for Section 002.	001 002	2:30-5:20 8:30-11:20	MWF T Th	SL 0218 SL 0217	Milovich Adkins
202a-3	Intermediate Studio: Sculpture [100a,b,c]	001	2:30-5:20	T Th	Wagner 193	Adkins
202b-3	Intermediate Studio: Printmaking [100a,b,c]	001	8:30-11:20	T Th	SL 0210	Freund
202c-3	Intermediate Studio: Ceramics [100a,b,c]	001	2:30-4:20	MWF	Wagner 192	Cannon
202d-3	Intermediate Studio: Painting [100a,b,c]	001	12:30-2:20	MWF	Wagner 198	M. Smith
202g-3	Intermediate Studio: Watercolor [100a,b,c]	001	11:30-2:20	T Th	Wagner 198, SL 0225	Freund
225c-3	History of World Art	001	10:30	MWF	PB 1312	Jacobson
300a-4	Art Education [Junior standing]	001 002 e003	8:30-10:20 12:30-2:20 6:30-9:20	MWF MWF M W	SL 0209 SL 0209 SL 0209	Buddemeyer J. Smith J. Smith

	[305a for b; 305b for c]	002	12:30-4:20	T Th	Wagner 192	Sande
310a,b,c-4	Painting [202-9 including 202d for a; 305a for b; 305b for c]	001 e002	3:30-7:20 6:30-10:20	T Th M W	Wagner 198 Wagner 198	Freund M. Smith
325a,b,c-4	Studio [By permit only]	001	TBA		SL 0222	Holm
349c-3	Renaissance and Baroque Art	e001	4:30	MWF	SL 0226	Jacobson
358a,b-3	Prints [202-9 including 202b]	001	8:30-12:20	T Th	SL 0210	Hampton
358c-4	Prints [358b]	001	9:30-12:20 9:30-11:20	M W F	SL 0210	Richardson
365-4	Art Education in the Secondary School [By permit only]	001	10:30-12:20	MWF	SL 0209	Buddemeyer
393a,b,c-4	Sculpture [202-9 including 202a for a; 305a for b; 305b for c] Two hours TBA for Section 001; four hours TBA for Section 002.	001 e002	1:30-4:20 6:30-8:20	M W T Th	Wagner 193 Wagner 193	Huntley Adkins
401-4	Research in Painting [310a,b,c]	e001	TBA		Wagner 198	Freund, M. Smith
405-4	Studio in Sculpture [393a,b,c]	e001	TBA		Wagner 193	Adkins, Huntley
410-4	Research in Prints [358a,b,c]	001	TBA		SL 0210	Richardson
420-4	Research in Pottery [305a,b,c]	001	TBA		Wagner 192	Sande
441c-3	Studio in Drawing [12 hours of 300-level Art]	001	3:30-5:20	MWF	SL 0217	M. Smith
466-2 to 12	Studio in Art Education	001	TBA		SL 0222	Holm
483-3	Research in Art History [By permit only]	001	TBA			Hilberry
501-4	Graduate Painting	e001	TBA		Wagner 198	Freund, M. Smith

502-4	Graduate Sculpture	e001	TBA		Wagner 193	Adkins, Huntley
511-4	Graduate Printmaking	001	TBA		SL 0210	Richardson
520-4	Graduate Ceramics	001	TBA		Wagner 192	Cannon
566-4	Research in Art Education	001	TBA		SL 0222	Holm
571-4	Readings in Art History	001	TBA			Hilberry
599-5 to 9	Thesis	001	TBA			

BIOLOGY (BIOL)

210-4	Bacteriology [GSA 201]	001	12:30	W F	LB 0044	Davis
			8:30-10:20	W F	SL 3218	Davis
		002	12:30	W F	LB 0044	Davis
			10:30-12:20	W F	SL 3218	
		003	12:30	W F	LB 0044	Davis
			1:30-3:20	W F	SL 3218	Baich
		004	12:30	W F	LB 0044	Davis
			3:30-5:20	W F	SL 3218	Baich
		005	12:30	W F	LB 0044	Davis
			5:30-7:20	W F	SL 3218	
301c-4	Concepts at the Cellular Level [301b]	001	9:30	MWF	SL 2224	N. Parker
			11:30-2:20	T	SL 3218	N. Parker
		002	9:30	MWF	SL 2224	N. Parker
			2:30-5:20	T	SL 3218	N. Parker
		003	9:30	MWF	SL 2224	N. Parker
			11:30-2:20	Th	SL 3218	N. Parker
302c-5	Concepts at the Organism Level [GSA 201]	001	1:30	MWF	SL 3114	Keating, Kulfinski
			8:30-10:20	T Th	SL 3210	
		002	1:30	MWF	SL 3114	Keating, Kulfinski
			10:30-12:20	T Th	SL 3210	
		003	1:30	MWF	SL 3114	Keating, Kulfinski

						Kulfinski
			2:30-4:20	T Th	SL 3210	
		005	1:30	MWF	SL 3114	Keating, Kulfinski
			8:30-10:20	T Th	SL 2211	
		006	1:30	MWF	SL 3114	Keating, Kulfinski
			10:30-12:20	T Th	SL 2211	
		007	1:30	MWF	SL 3114	Keating, Kulfinski
			12:30-2:20	T Th	SL 2211	
		008	1:30	MWF	SL 3114	Keating, Kulfinski
			2:30-4:20	T Th	SL 2211	
302d-5	Concepts at the Organism Level [302a,c, Chem 111a,b]	001	1:30	MTWF	PB 0304	Ratzlaff
			11:30-2:20	Th	SL 3217	Ratzlaff
		002	1:30	MTWF	PB 0304	Ratzlaff
			2:30-5:20	Th	SL 3217	Ratzlaff
		003	1:30	MTWF	PB 0304	Ratzlaff
			2:30-5:20	T	SL 3217	Peterson
303c-4	Concepts at the Population Level [303b]	001	10:30	MWF	PB 0304	R. Parker, Kumler
			2:30-5:20	M	SL 3210	R. Parker
		002	10:30	MWF	PB 0304	R. Parker, Kumler
			1:30-4:20	W	SL 3210	Kumler
		003	10:30	MWF	PB 0304	R. Parker, Kumler
			2:30-5:20	F	SL 3210	R. Parker
390c-0.3	Undergraduate Biology Seminar [Junior or senior standing]	001	4:00-5:20	W	SL 3114	R. Parker
430-4	Environmental Microbiology [302b]	001	2:30	MWF	SL 1220	Davis
			8:30-11:20	M	SL 3217	
445-4	Endocrinology [301b, 302d]	001	12:30	MWF	SL 1221	Peterson
			2:30-5:20	M	SL 3218	

488-4	Mammalogy [302a]	001	12:30 1:30-4:20	MWF M	SL 1220 SL 3217	Broadbooks
493-2 to 8	Research in Biology [Consent of faculty chairman]	001	TBA			
522-3	Zoogeography	e001	7:30-8:45	T Th	SL 3114	Axtell
590-0.4	Graduate Biology Seminar	e001	4:30	W	SL 3114	R. Parker
591-1 to 4	Readings in Biology [Consent of faculty chairman]	001	TBA			
593-1 to 4	Special Problems in Biology [Consent of faculty chairman]	001	TBA			
599-3 to 9	Research and Thesis [Consent of faculty chairman]	001	TBA			

BUSINESS ADMINISTRATION (B A)

449-1 to 4	Independent Study in Business Administration	001	TBA			
548-4	Seminar in Managerial Performance [543]	e001	6:30-10:20	M	PB 3315	
549-4	Corporate Policy Formulation and Administration [Final quarter standing]	e001	6:30-10:20	W	PB 3303	

BUSINESS COMMUNICATIONS (B C)

390-4	Business Communications [GSD 101b, concurrent enrollment in GBA 340, consent LIFT for Section 002]	001 002 e003	10:30-12:20 10:30-12:20 8:30-10:20	T Th T Th T Th	PB 2405 PB 3315 PB 3303	

BUSINESS EDUCATION (BS ED)

201a-3	Typewriting	001	TBA		PB 3415	
201b-3	Typewriting [201a]	001	TBA		PB 3415	
201c-3	Typewriting [201b]					

Lab TBA.

221c-4	Shorthand and Transcription [221b]	001	10:30	MTWTh	PB 3417
		e002	6:30-8:20	T Th	PB 3417
304-3	Advanced Typing [201c]	001	TBA		PB 3415
324b-4	Advanced Shorthand and Transcription [324a]	001	12:30-2:20	T Th	PB 3417
341-4	Office Machines	001	2:30-4:20	M W	PB 3412
		e002	6:30-8:20	M W	PB 3412
351-4	Foundations of Business Education	001	2:30-4:20	T Th	PB 1302
405-4	Teaching General Basic Business Subjects	001	8:30-10:20	T Th	PB 2412
406-4	Teaching Office Practice	e001	4:30-6:20	M W	PB 3316
417-4	Application and Fundamentals of Data Processing in Business Education	001	10:30-12:20	M W	CB 0186
426-4	Office Management	001	8:30-10:20	M W	PB 2304
427-4	Records Administration	e001	8:30-10:20	M W	PB 2411
428-4	Systems and Procedures	001	2:30-4:20	M W	PB 0412
500-4	Principles and Problems of Business Education	e001	6:30-8:20	T Th	PB 3303
509-4	Improvement of Instruction in General Basic Business Subjects	e001	8:30-10:20	T Th	PB 3315
530-4	Research Seminar in Business Education	e001	6:30-8:20	M W	PB 3310
580-2	Problems Seminar in Business Education [42 hours of graduate work]	e001	8:30-10:20	T	PB 3310
590-2 to 5	Readings in Business Education	001	TBA		
591-2 to 5	Individual Research in Business Education	e001	6:30-8:20	M W	PB 3310

599-1 to 9	Thesis	e001	6:30-8:20	M W	PB 3310

CHEMISTRY (CHEM)

111b-5	Chemical Principles and Inorganic Chemistry [111a]	e001	5:30-7:20	T Th	SL 3114
			7:30-10:20	T	SL 2215
		e002	5:30-7:20	T Th	SL 3114
			7:30-10:20	Th	SL 2215
		e003	5:30-7:20	T Th	SL 3114
			2:30-5:20	F	SL 2215
111c-5	Chemical Principles and Inorganic Chemistry [111b]	001	8:30	MWF	SL 1105
			8:30-11:20	T Th	SL 2215
		002	8:30	MWF	SL 1105
			11:30-2:20	M F	SL 2215
		003	8:30	MWF	SL 1105
			11:30-2:20	T Th	SL 2215
		004	8:30	MWF	SL 1105
			11:30-2:20	W	SL 2215
			9:00-11:50	S	SL 2215
		005	8:30	MWF	SL 1105
			2:30-5:20	M W	SL 2215
		006	8:30	MWF	SL 1105
			2:30-5:20	T Th	SL 2215
		007	8:30	MWF	SL 1105
			5:30-8:20	M W	SL 2215
235-5	General Quantitative Analysis [111c]	001	8:30	MWF	SL 3114
			11:30-2:20	T Th	SL 2217
		002	8:30	MWF	SL 3114
			11:30-2:20	W F	SL 2217
		003	8:30	MWF	SL 3114
			2:30-5:20	T Th	SL 2217
240-4	Organic Chemistry [110]	001	1:30	MWF	SL 1105
			8:30-11:20	M	SL 2216
		002	1:30	MWF	SL 1105
			8:30-11:20	M	SL 2217
		003	1:30	MWF	SL 1105
			2:30-5:20	M	SL 2216
			8:30-11:20	F	SL 2216

			8:30-11:20	F	SL 2224
341c-3	Organic Chemistry [341b]	e001	5:30-6:45	M W	SL 2224
345a,b,c-2	Organic Chemistry Laboratory [305a or 341a]	001	8:30-11:20	T Th	SL 2216
		002	11:30-2:20	T Th	SL 2216
		e003	5:30-8:20	T Th	SL 2216
375-0 to 1	Chemistry Seminar	e001	5:30	W	SL 3114
411-4	Intermediate Inorganic Chemistry [461b]	001	11:30	MTThF	SL 2224
432b-4	Instrumental Analytical Measurements [461b]	001	12:30	T Th	SL 1220
			2:30-5:20	T Th	SL 2216
		002	12:30	T Th	SL 1220
			2:30-5:20	W F	SL 2217
451b-3	Biochemistry [451a]	e001	7:30-8:45	M W	SL 2224
455a-1	Experimental Methods in Biochemistry [451a]	001	2:30-5:20	W	SL 2216
461c-4	Physical Chemistry [461b]	001	10:30	MWF	SL 2224
			8:30-11:20	T	SL 2217
		002	10:30	MWF	SL 2224
			8:30-11:20	Th	SL 2217
496-2 to 6	Chemical Problems	001	TBA		
519-2	Advanced Topics in Inorganic Chemistry	e001	6:30	M W	SL 3114
539-2	Advanced Topics in Analytical Chemistry	e001	7:00	T Th	SL 2224
541-3	Advanced Organic Chemistry	e001	5:30-6:45	T Th	SL 2224
575-1	Graduate Seminar	e001	5:30	W	SL 3114
596-2	Advanced Chemical Problems	001	TBA		
597-3 to 15	Research and Thesis	001	TBA		

COUNSELOR EDUCATION (C ED)

305-4	Educational Psychology [By permit only] Section 002 restricted to students taking Ed S 315, fall quarter 1970, and Ed S 352, winter quarter 1971. Section 006 meets first four Fridays only.	001	8:30-10:20	M W	PB 0403	Wheat
		002	8:30-10:20	M W	PB 2403	Ahlbrand
		003	1:30-3:20	M	PB 1412	Wheat
			1:30-3:20	W	PB 2411	
		004	8:30-10:20	T Th	PB 1306	Ederle
		005	12:30-2:20	T Th	PB 3313	Ederle
		e006	5:30-8:20	W	PB 2403	Repovich
			5:30-8:20	F	PB 0403	
420-4	Educational Statistics Both sections meet first four Fridays only.	e001	5:30-8:20	T	PB 2403	Rochester
			5:30-8:20	F	PB 0314	
		e002	5:30-8:20	Th F	PB 2403	Rochester
422-4	Educational Measurements I Both sections meet first four Fridays only.	e001	5:30-8:20	M F	PB 3404	King
		e002	5:30-8:20	Th F	PB 1311	King
501-4	Special Research Problems	e001	TBA			
510-4	College Student Personnel Services	e001	5:30-8:20	M	Pract Ctr	Moore
511-4	Educational Implications of Learning Theory	e001	5:30-8:20	M	PB 0413	
515-4	Psychological Aspects of Education	e201	5:30-8:20	T	ANA 104	Mermis
522-4	Educational Measurements II	e001	5:30-8:20	T	PB 0408	King
526-4	Advanced Guidance-Elementary School	e001	5:30-8:20	Th	Pract Ctr	Mermis
537-4	Counseling Theory and Practice I	e001	5:30-8:20	T	PB 2413	
		e002	5:30-8:20	Th	PB 2413	Chenault
538-4	Counseling Theory and Practice II	e001	5:30-8:20	Th	Pract Ctr	Soper
541-4	Occupational Information and Guidance	e001	5:30-8:20	W	PB 0408	Van Horn
542-4	Basic Principles of Guidance	e001	5:30-8:20	M	Pract Ctr	Soper
		e002	5:30-8:20	Th	PB 0406	Ederle
[illegible]	[illegible]	e002	5:30-8:20	T	Pract Ctr	Combs

		e004	5:30-8:20	Th		
545f-4	Seminar: Pupil Adjustment	e001	5:30-8:20	Th	PB 0408	Repovich
		201	9:00-12:00	S	ANA 104	Meredith
545j-4	Seminar: Organization and Administration	e001	5:30-8:20	W	PB 2413	Davis
562a-4	Child Development in Education	e001	5:30-8:20	M	PB 0408	Repovich
562b-4	Adolescent Development in Education	e001	5:30-8:20	T	PB 0406	Troyer
575c-4	Practicum in Secondary Guidance	001	TBA			Moore, Soper, Rochester

DEANS COLLEGE (D C)

Deans College courses will be arranged as needed for those students registered in the Deans College. Student should contact Dr. Eric Sturley, Coordinator, for permission to enroll in these courses.

ECONOMICS (ECON)

200-4	Macroeconomics [Sophomore standing]	001	10:30-12:20	M W	PB 2403	
		002	10:30-12:20	M W	PB 3303	
		003	2:30-4:20	T Th	PB 1402	
		e004	6:30-8:20	T Th	PB 3315	
201-4	Microeconomics [Sophomore standing]	001	12:30-2:20	T Th	PB 3404	
		002	12:30-2:20	T Th	PB 3316	
		003	2:30-4:20	M W	PB 3316	
		e004	6:30-8:20	M W	PB 3313	
		+e201	6:30-8:20	M W	ANA 104	
300-4	The Monetary System and Economic Policy	e001	8:30-10:20	M W	PB 3305	
340-4	Intermediate Micro Theory	001	10:30-12:20	T Th	PB 3316	

409-1 to 4	Independent Study in Economics	001	TBA			
422-4	Introduction to Economic Development [200, 201]	e001	4:30-6:20	M W	PB 2414	
432-3	Fiscal Policy of the United States [200]	e001	4:30-6:20	T Th	PB 3315	
433-4	An Introduction to Urban Economics [200, 201]	001	2:30-4:20	T Th	PB 1414	
436-3	Government and Labor [200, 201]	e001	8:30-10:20	M W	PB 3306	
441-4	Intermediate Macro Theory [200]	001	2:30-4:20	M W	PB 3317	
450b-3	History of Economic Thought [200, 201]	e001	8:30-10:20	T Th	PB 3310	
472-4	Dynamic Economics [441 or consent of faculty chairman] Additional hours Saturday TBA.	e001	6:30-9:20	W	PB 3315	
516-4	Econometrics II Saturday hours TBA.	e001	6:30-9:20	T	PB 3308	
517-4	Monetary Theory and Policy Saturday hours TBA.	e001	6:30-9:20	W	PB 3315	
520-4	Economic Development: Theory and Policy	e001	4:30-6:20	M W	PB 3306	
530-4	International Economics and Finance	e001	4:30-6:20	T Th	PB 2414	
533-4	Public Finance: Theory and Practice Saturday hours TBA.	e001	6:30-9:20	M	PB 3308	
599-1 to 9	Thesis	001	TBA			

EDUCATION ADMINISTRATION (ED AD)

355-4	Philosophy of Education [C Ed 305, consent of Education Division Student Services Office]	001	9:30-11:20	T Th	PB 0409	Soderquist
		002	1:30-3:20	T Th	PB 0409	Soderquist
		003	9:30-11:20	M W	PB 0409	Curry
		004	1:30-3:20	M W	PB 0409	Curry
		005	11:30-1:20	M W	PB 0409	Hofmann
		007	9:00-12:40	S	PB 1411	[illegible]

431-4	History of Education in the United States	001	10:30-12:20	T Th	PB 2412	Mason
432-4	Public Opinion, Propaganda, and Education Four additional sessions TBA.	e001	5:30-8:20	T	PB 2412	Masters
434-4	Administrator's Workshop Four additional sessions TBA.	e001	5:30-8:20	Th	PB 1308	Ackerlund
456-4	School Supervision Four additional sessions TBA.	e001	5:30-8:20	M	PB 0409	Wheat
500-4	Research Methods	e001	5:30-8:20	M	PB 2406	Richards
		e002	5:30-8:20	W	PB 1313	Hildebrand
		e003	5:30-8:20	T	PB 1308	Popp
		e004	5:30-8:20	Th	PB 2406	Popp
501-4	Seminar in Educational Administration	e001	5:30-8:20	W	SL 2231	Helsel
502-4	Comparative Education	e001	5:30-8:20	W	PB 1309	Lucas
503-4	Seminar in Philosophy of Education	e001	5:30-8:20	Th	PB 3317	Hofmann
504-4	History of European Education	e001	5:30-8:20	M	PB 1309	Mason
511c-4	Internship Practicum [Consent of faculty chairman]	001	TBA			
520-4	Illinois School Law	e001	5:30-8:20	T	PB 1311	Wilkins
524-4	School Administration	e001	5:30-8:20	W	PB 0409	Krchniak
534a-4	School Finance	e001	5:30-8:20	W	PB 2412	Wilkins
554-4	Contrasting Philosophies of Education	e001	5:30-8:20	T	PB 0413	Curry
557-4	The Elementary Principalship	e001	5:30-8:20	Th	PB 0413	Andree
563-4	Workshop in School Public Relations	e001	5:30-8:20	T	PB 3102	

565-4	The Community Junior College	e001	5:30-8:20	Th	PB 3102	Goodwin
575a-k-4	Individual Research [Consent of faculty chairman]	001	TBA			
596-5 to 9	Independent Investigation [Consent of faculty chairman]	001	TBA			

EDUCATION ELEMENTARY (ED EL)

203-3	Understanding the Elementary School Child [GSB 201c]	001	1:30-3:10	T Th	PB 0411	Kuenzli
314-4	Elementary School Methods [Ed Ad 355, consent of Education Division Student Services Office] Additional two-hour laboratory in a public school TBA. Four extra sessions TBA for Section 003.	001 002 e003	8:30-10:20 1:30-3:20 5:30-8:20	M W M W W	PB 3302 PB 0302 PB 1308	Steinbrook Steinbrook Carpenter
316-4	Kindergarten-Primary Methods and Curriculum [Ed Ad 355, consent of Education Division Student Services Office] Additional two-hour laboratory in a public school TBA.	001	9:00-11:40	S	PB 0309	Kuenzli
337-4	Reading in the Elementary Schools [314, C Ed 305, Ed Ad 355] Four extra sessions TBA for Section 003.	001 002 e003	2:30-4:20 8:30-10:20 5:30-8:20	M W M W T	PB 0403 PB 3303 PB 1316	Doss Starr Starr
350d-8 to 12	Kindergarten-Primary Student Teaching [316, C Ed 305, Ed Ad 355, approval of elementary education adviser]	001	TBA			
350e-4 to 8	Advanced Kindergarten-Primary Student Teaching [350d]	001	TBA			
351d-8 to 16	Elementary Student Teaching [314, C Ed 305, Ed Ad 355, other courses listed in each area of concentration, approval of elementary education adviser]	001	TBA			
351e-4 to 8	Advanced Elementary Student Teaching [351d]	001	TBA			

	Four extra sessions TBA for Section 002.	e002	5:30-8:20	W	PB 3102	Darnell
415-4	Improvement of Instruction in Arithmetic in the Elementary School Additional hours TBA for Section 002.	001 e002	9:30-11:20 5:30-8:20	T Th M	PB 1414 PB 0403	Jordan Steinbrook
442-4	Science for the Elementary Teacher [314]	e001	5:30-8:20	Th	PB 0411	Bliss
480-4	Backgrounds of Urban Education	e001	5:30-8:20	Th	PB 1316	Burnett
505-4	Improvement of Reading Instruction	e001 e002	5:30-8:20 5:30-8:20	Th T	PB 0312 PB 2409	Turner Bear
507-2 to 4	Readings in Reading [505, consent of faculty chairman]	001	TBA			
510-4	The Analysis of Instruction	e001	5:30-8:20	M	SL 2231	Hudgins
513-4	Materials and Methods for the Assessment of the Disabled Reader [505]	e001	5:30-8:20	W	PB 0312	Richardson
521a-4	Diagnosis and Correction of Reading Disabilities [513, consent of instructor] Student enrolls for lecture and one clinic.	eLect Clinic 1 Clinic 2 Clinic 3	6:30-8:20 8:00-9:30 9:30-11:00 11:00-12:30	T S S S	PB 0403 PB 0403 PB 0403 PB 0403	Richardson
521b-4	Diagnosis and Correction of Reading Disabilities [521a, consent of instructor] Student enrolls for lecture and one clinic.	eLect Clinic 1 Clinic 2 Clinic 3	6:30-8:20 8:00-9:30 9:30-11:00 11:00-12:30	W S S S	PB 0403 PB 0405 PB 0405 PB 0405	Turner
521c-4	Diagnosis and Correction of Reading Disabilities [521a,b, consent of instructor] Student enrolls for lecture and one clinic.	eLect Clinic 1 Clinic 2 Clinic 3	6:30-8:20 8:00-9:30 9:30-11:00 11:00-12:30	Th S S S	PB 0403 PB 0406 PB 0406 PB 0406	Bear
542-4	Language Arts in the Elementary School	e001	5:30-8:20	M	LB 0056	Darnell

543-4	Teaching the Social Studies in the Elementary School	e001	5:30-8:20	T	LB 0034	Carpenter
553-4 to 8	Practicum in Urban Education	001	TBA			Burnett
561-4	The Elementary School Curriculum	e001	5:30-8:20	Th	PB 0304	Comer
567c-4	Teaching Competencies and Their Applications [Consent of Nextep for 001; consent of instructor for 002]	001 e002	TBA 5:30-8:20	T	GO 2225	Harmin Burnett
575a-k-2 to 4	Individual Research	001	TBA			
580-4	Research Seminar in Urban Education	e001	5:30-8:20	T	SL 2231	Gore
596-5 to 9	Independent Investigation	001	TBA			

EDUCATION SECONDARY (ED S)

315-4	High School Methods [Ed Ad 355, consent of Education Division Student Services Office and instructor. It is recommended that this course be taken during quarter preceding student teaching.] In addition to class meetings, laboratory assignments TBA with instructor. Section 002 restricted to students enrolled in C Ed 305, Section 002, winter quarter, 1970.	001 002 003 004 e005 e006	8:30-10:20 9:30-11:20 12:30-2:20 8:30-10:20 5:30-9:00 7:00-10:20	M W T Th M W T Th Th Th	PB 0411 PB 0411 PB 0411 PB 0413 PB 1402 PB 1402	Wilson Ahlbrand Schnabel Keefe Wilson Wilson
352d-8 to 16	Secondary Student Teaching [315, consent of Education Division Student Services Office] 002 to 025 TBA Specific sections cover each subject offered in secondary schools.					
480-4	Backgrounds of Urban Education Four extra sessions TBA.	e001	5:30-8:20	Th	PB 1316	Burnett

e002 5:30-8:20 T PB 2409 Bear

508-4	Seminar: Trends in Selected Areas in Secondary Schools	e001	5:30-8:20	W	LB 0051	Schnabel
510-4	The Analysis of Instruction	e001	5:30-8:20	M	SL 2231	Hudgins
513-4	Materials and Methods for the Assessment of the Disabled Reader [505]	e001	5:30-8:20	W	PB 0312	Richardson
521a-4	Diagnosis and Correction of Reading Disabilities [513, consent of instructor] Student enrolls for lecture and one clinic.	eLect Clinic 1 Clinic 2 Clinic 3	6:30-8:20 8:00-9:30 9:30-11:00 11:00-12:30	T S S S	PB 0403 PB 0403 PB 0403 PB 0403	Richardson
521b-4	Diagnosis and Correction of Reading Disabilities [521a, consent of instructor] Student enrolls for lecture and one clinic.	eLect Clinic 1 Clinic 2 Clinic 3	6:30-8:20 8:00-9:30 9:30-11:00 11:00-12:30	W S S S	PB 0403 PB 0405 PB 0405 PB 0405	Turner
521c-4	Diagnosis and Correction of Reading Disabilities [521b, consent of instructor] Student enrolls for lecture and one clinic.	eLect Clinic 1 Clinic 2 Clinic 3	6:30-8:20 8:00-9:30 9:30-11:00 11:00-12:20	Th S S S	PB 0403 PB 0406 PB 0406 PB 0406	Bear
550-4	Improvement of Instruction in Middle and Junior High School	e001	5:30-8:20	Th	PB 1414	Hileman
553-4	Practicum in Urban Education [Consent of instructor]	001	TBA			Burnett
560-4	Curriculum	e001	5:30-8:20	T	LB 0044	Smyers
562-4	The High School Curriculum	e001	5:30-8:20	W	PB 1410	Smyers
567c-4	Teaching Competencies and Their Applications [Consent of Nextep for 001; consent of instructor for 002]	001 e002	TBA 5:30-8:20	T	GO 2225	Harmin Burnett
575a-j-4	Individual Research [Consent of faculty chairman]	001	TBA			

580-4	Research Seminar in Urban Education [Consent of instructor]	e001	5:30-8:20	T	SL 2231	Gore
596-5 to 9	Independent Investigation [Consent of faculty chairman]	001	TBA			

ENGINEERING (ENGR)

101b-3	Engineering Graphics [101a]	001	1:30-3:20	MWF	SL 1216	Bishop
101c-3	Engineering Graphics [101b]	001	8:30-10:20	MWF	SL 1216	Bishop
		002	10:30-12:20	MWF	SL 1216	Bishop
200c-3	Circuit Analysis [200b]	001	12:30	MWF	SL 0226	Brown
		e002	5:00-6:20	T Th	SL 0226	McKay
201c-1	Circuit Analysis Laboratory [201b]	001	12:30-3:20	T	SL 1212	
		002	2:30-5:20	Th	SL 1212	
		e003	6:30-9:20	Th	SL 1212	
220-3	Electrical Circuits [Math 150b]	001	10:30	MWF	SL 1221	McKay
221-1	Electrical Circuits Laboratory	001	9:30-12:20	T	SL 1212	McKay
260b-4	Engineering Mechanics [260a]	001	9:30	MWF	PB 0413	Korn
			9:30	Th	PB 1412	
310b-3	Physical Electronics [310a]	001	1:30	MWF	SL 1228	Brown
395-2 to 8	Readings in Engineering [Consent of faculty chairman]	001	TBA			
405a-4	Generalized Radiation [Phys 305]	001	11:30	MTWTh	SL 1221	Hord
405b-1	Generalized Radiation Laboratory	001	11:30	F	SL 1221	Hord
420b-3	Transport Phenomena [420a]	001	8:30	MWF	SL 1221	Jones
443b-3	Engineering Design [443a]	001	2:30	MWF	SL 1211	
490-4	Microwave Theory and Techniques [410a,	e001	4:30-6:20	[illegible]	[illegible]	[illegible]

300-4	Principles of English Grammar [Completion second-level GSC]	001	11:30	MTThF	PB 0302	
		002	11:30	MTThF	PB 1312	
		e003	6:30-8:20	M W	PB 0309	
302a-4	Survey of English Literature to 1550 [Completion second-level GSC]	001	9:30	MTThF	PB 0406	
302b-4	Survey of English Literature: 1550-1750 [Completion second-level GSC]	001	10:30	MTThF	PB 0413	
302c-4	Survey of English Literature: 1750 to Present [Completion second-level GSC]	001	10:30	MTThF	PB 0406	
		002	2:30	MTThF	PB 0406	
		e003	8:30-10:20	M W	PB 0307	
309a-4	Survey of American Literature to 1860 [Completion second-level GSC]	001	2:30	MTThF	PB 0408	
		e002	8:30-10:20	T Th	PB 0307	
309b-4	Survey of American Literature: Since 1860 [Completion second-level GSC]	001	1:30	MTThF	PB 0406	
		e002	6:30-8:20	M W	PB 0307	
365-4	Shakespeare [Completion second-level GSC]	001	12:30	MTThF	PB 0303	
391-3	Usage in Spoken and Written English [Completion second-level GSC]	001	8:30	MWF	PB 2410	
		002	2:30-3:45	T Th	PB 0403	
		e003	8:30-9:45	M W	PB 0309	
405b-4	Descriptive Linguistics: Morphology and Syntax [Completion second-level GSC, junior standing]	e001	4:30-6:20	T Th	PB 3422	Wood
412c-4	English Nondramatic Literature: 18th Century [Completion second-level GSC, junior standing]	001	9:30	MTThF	PB 0303	Slattery
420a-4	American Poetry: Before 1900 [Completion second-level GSC, junior standing]	e001	6:30-8:20	M W	PB 2415	Austin
421c-4	English Poetry: Victorian [Completion second-level GSC, junior standing]	001	12:30	MTThF	LB 0051	Going

421d-4	English Poetry: Modern British Poets [Completion second-level GSC, junior standing]	001	2:30	MTThF	PB 0303	Joost
442-4	Romantic Prose [Completion second-level GSC, junior standing]	001	11:30	MTThF	PB 1302	Bailey
460b-4	English Drama: Jacobean [Completion second-level GSC, junior standing]	001	3:30	MTThF	PB 0408	Taylor
468-4	American Drama [Completion second-level GSC, junior standing]	001	1:30	MTThF	PB 3102	Going
473-4	Milton [Completion second-level GSC, junior standing]	001	12:30-2:20	T Th	PB 2414	Revard
485-4	Problems in Teaching English [Completion second-level GSC, junior standing]	001	9:00-12:00	S	PB 2411	
490-4	Advanced Composition [Completion second-level GSC, junior standing]	001	1:30	MTThF	LB 0051	
492-4	Professional Writing II [Completion second-level GSC, junior standing]	e001	8:30-10:20	T Th	PB 2415	Hobbie
499-2 to 4	Readings in English [Consent of faculty chairman]	001	TBA			
508-4	Studies in Chaucer [Graduate standing]	e001	4:30-6:20	M W	PB 3422	Drake
514-4	Studies in Restoration and 18th Century Literature: Satire [Graduate standing]	e001	6:30-8:20	M W	PB 3317	Graham
531-4	Studies in the American Colonial Period [Graduate standing]	e001	8:30-10:20	M W	PB 3409	Havens
537-4	Studies in 20th Century American Writers: Robert Frost [Graduate standing]	e001	4:30-6:20	T Th	PB 3409	Zanger
585-4	Teaching College Composition [Consent of	001				

598-1 to 4	Independent Review of English and American Literature [Consent of faculty chairman]	001	TBA			
599-2 to 4	Thesis	001	TBA			
FINANCE (FIN)						
320-4	Corporation Finance [Consent LIFT for Section 002]	001	12:30-2:20	T Th	PB 2405	
		002	2:30-4:20	T Th	PB 3315	
420-4	Problems in Corporation Finance [320]	001	8:30-10:20	T Th	PB 3313	
		e002	8:30-10:20	M W	PB 3313	
423-4	Commercial Banking Operations [420]	001	2:30-4:20	T Th	PB 3313	
		e002	6:30-8:20	T Th	PB 3316	
424-4	Financial Institutions [420]	001	12:30-2:20	M W	PB 3313	
425-4	Investments [420]	001	8:30-10:20	M W	PB 3316	
528-4	Seminar in Finance [523]	e001	6:30-10:20	T	PB 3404	
FOREIGN LANGUAGES (F L)						
399-2	Readings [Consent of chairman, by permit only]	001	12:30	T Th	PB 1306	G. Marti
FRENCH (FREN)						
123b-1	French Conversation [Concurrent enrollment in GSD 123b]	001	10:30	F	PB 2409	
123c-1	French Conversation [Concurrent enrollment in GSD 123c]	001	9:30	F	PB 2409	
		002	11:30	F	PB 2409	
		003	1:30	F	PB 2409	
201c-3	Intermediate French [201b or consent of chairman]	001	10:30	M	PB 0412	
			10:30	W	PB 0406	
			10:30	F	PB 0408	
		002	12:30	MWF	PB 2411	

220-2	Intermediate French Conversation [201c or concurrent enrollment in 201c or consent of chairman]	001 002	10:30 12:30	T Th T Th	PB 0309 PB 2411	
232-5	Intermediate Intensive French [230, 231]	001	9:30	MTWThF	PB 2410	G. Marti
338a-4	French Literature from the Middle Ages Through the 17th Century [201c, one quarter 220 or consent of chairman]	001	2:30-4:20	T Th	LB 0051	Pellegrino
461-4	French Stylistics [9 hours 300-level courses or consent of chairman]	001	10:30	MTWTh	PB 1304	M. Delhomme
499-3	Readings in French [Consent of chairman, by permit only]	001	12:30	MWF	PB 2302	G. Marti
510-4	19th Century Realism [Graduate standing]	e001	6:30-8:20	T Th	PB 2414	M. Delhomme

GERMAN (GER)

126c-1	German Conversation [Concurrent enrollment in GSD 126c]	001 002 003 e004	10:30 11:30 1:30 6:55-7:20	F F F M W	PB 2410 PB 2410 PB 3315 PB 2409	
201c-3	Intermediate German [201b or consent of chairman]	001	9:30	MWF	PB 3102	
220-2	Intermediate German Conversation [201c or concurrent enrollment in 201c or consent of chairman]	001	9:30	T Th	PB 3102	
251-4	Scientific German [One year of college German or equivalent]	001	TBA			Ryberg
313c-4	German Literature Before Romanticism [201c, one quarter 220 or consent of chairman]	001	12:30-2:20 12:30-2:20	W F	PB 0406 PB 3313	Spahn

chairman]

501-2	Seminar on a Selected German Author [Graduate standing]	e001	6:55-7:45	T Th	PB 2415	Spahn
512-3	19th Century German Novel [Graduate standing]	e001	5:30-6:45	T Th	PB 2415	Guenther
GREEK (GR)						
499c-3	Ancient Greek [Consent of chairman, by permit only]	001	TBA			
ITALIAN (ITAL)						
144c-1	Italian Conversation [Concurrent enrollment in GSD 144c]	001 002	11:30 10:30	F F	PB 2411 PB 0412	Romani Romani
201c-3	Intermediate Italian [201b or consent of chairman]	001	12:30	MWF	PB 2410	Romani
220-2	Intermediate Italian Conversation [201c or concurrent enrollment in 201c or consent of chairman]	001	12:30	T Th	PB 2410	Romani
499-3	Readings in Italian [Consent of chairman, by permit only]	e001	4:30-5:45	M W	PB 2410	Romani
RUSSIAN (RUSS)						
136a-1	Russian Conversation [Concurrent enrollment in GSD 136a]	e001	TBA			Zaytzeff
136c-1	Russian Conversation [Concurrent enrollment in GSD 136c]	001	10:30	F	PB 3102	Zaytzeff
499-2 to 9	Readings in Russian [Consent of chairman, by permit only]	001	TBA			

SPANISH (SPAN)

140c-1	Spanish Conversation [Concurrent enrollment in GSD 140c]	001	10:30	F	PB 2411	
		002	12:30	F	PB 2409	
		003	2:30	F	PB 3315	
		e004	7:55-8:20	M W	PB 2410	
201c-3	Intermediate Spanish [201b or consent of chairman]	001	11:30	MWF	PB 3317	
		002	1:30	MWF	PB 2410	
220-2	Intermediate Spanish Conversation [201c or concurrent enrollment in 201c or consent of chairman]	001	11:30	T Th	PB 3317	
		002	1:30	T Th	PB 2410	
306-4	Latin American Literature [201c, one quarter 220 or consent of chairman]	001	12:30-2:20	T Th	PB 0412	Osiek
461-4	Spanish Stylistics [9 hours 300-level courses or consent of chairman]	001	9:30	MTWTh	PB 1304	Callanan
499-2 to 4	Readings in Spanish [By permit only, consent of chairman]	001	TBA			
501-2	Seminar on a Selected Spanish Author [Graduate standing]	e001	5:30	M W	PB 1304	Goode
520-3	Seminar in Syntax [Graduate standing]	e001	6:30-7:45	M W	PB 1304	Osiek

GENERAL BUSINESS ADMINISTRATION (GBA)

140-4	Introduction to Business	001	10:30-12:20	M	PB 0312	
			10:30-12:20	W	PB 0307	
		002	10:30-12:20	M	PB 0312	
			10:30-12:20	W	PB 0314	
		003	10:30-12:20	M	PB 0312	
			10:30-12:20	W	PB 2410	
		004	10:30-12:20	M	PB 0312	
			10:30-12:20	W	PB 2411	
		005	2:30-4:20	T	PB 0312	
			2:30-4:20	Th	PB 0312	

		e008	8:30-10:20	M	PB 1402	
			8:30-10:20	W	PB 0306	
		e009	8:30-10:20	M	PB 1402	
			8:30-10:20	W	PB 0406	
		e010	8:30-10:20	M	PB 1402	
			8:30-10:20	W	PB 0408	
		e011	8:30-10:20	M	PB 1402	
			8:30-10:20	W	PB 0314	
		+e201	6:30-8:20	T Th	ANA 108	
340-4	Organizational Behavior and Decision Making [140, GSB 103a, GSB 201, consent LIFT for Section 002]	001	12:30-2:20	M W	PB 2405	
		002	10:30-12:20	M W	PB 3315	
341-4	Organizational Problems [340, consent LIFT for Section 002]	001	10:30-12:20	M W	PB 3305	
		002	2:30-4:20	T Th	PB 3315	
		e003	6:30-8:20	T Th	PB 2405	
342-4	Contracts - Agency Law	001	8:30-10:20	T Th	PB 3316	
440-4	Legal Environment of Business	001	2:30-4:20	T Th	PB 3302	
441-4	Business Policy [341, senior standing]	001	10:30-12:20	M W	PB 3316	
		002	2:30-4:20	T Th	PB 3102	
GEOGRAPHY (GEOG)						
306-4	Introduction to Cultural Geography	001	11:30	MTWTh	PB 1412	Baker
310b-4	Introduction to Cartographic Methods	001	2:30-4:20	T Th	SL 1216	Collier
402a-4	Physical Geography I: Soils [GSA 110a]	001	8:00-12:00	S	SL 1215	Wallace
402b-3	Physical Geography I: Air Mass Climate [GSA 110a]	001	3:30-5:20	M W	PB 1412	Kazeck
404a-4	Urban Geography and Ecology [304]	e001	8:30-10:20	M W	PB 1412	Clements

405a-4	Location of Economic Activities II [304]	001	9:30	MTWF	PB 1412	Lampe
407b-3	Cultural Geography II [308]	001	2:30	TWTh	PB 1412	Baker
416a-4	Cartography [310a]	001	8:30-12:20	S	SL 1216	Collier
426c-4	Photogrammetry	001	TBA		A.C.I.C.	
464a-4	Regional Geography of the Soviet World	001	10:30	MTWF	PB 1412	Kircher
470d-4	Urban Planning: Planning Problems [308]	001	3:30-5:20	T Th	Tract 14B	Johnsen
471b-4	Regional Planning [470a]	001	2:30-4:20	M W	Tract 14B	Kahn
490c-2	Tutorial in Geography [Consent of instructor]	e001	4:30	M W	Tract 14B	Roth
500-4	Geographic Techniques I	e001	6:30-8:20	M W	PB 1412	Clements
501-4	Geographic Techniques II	e001	5:30-8:20	T	PB 1412	Kircher
523-4	Seminar in Cartography	001	8:30-12:20	S	SL 1216	Collier
524-4	Seminar in Cultural Geography	e001	5:30-8:20	Th	PB 1412	Baker
527-4	Seminar in Urban and Regional Planning Additional hours TBA.	e001	6:30-8:20	M	Tract 14B	Roth
530-2 to 4	Independent Studies in Geography [Consent of faculty chairman]	001	TBA			
571a-2	Environmental Aspects of Planning	001	9:30-11:20	S	Tract 14B	Roth
574a-4	Urban Planning Design Studio	001	12:30-2:20	M W	Tract 14B	Roth
576-2	Planning and Design Seminar	e001	6:30-8:20	Th	Tract 14B	Lossau
577-2 to 8	Seminar in Urban Problems	e001	6:30-8:20	W	Tract 14B	Lossau
599-2 to 8	Thesis	001	TBA			

200-4	Introduction to Political Science	001	11:30	MTWTh	PB 2306	Maier, Lee
320-4	Introduction to Public Administration [GSB 203a or consent of chairman]	001	12:30	MTWTh	PB 1412	Jachim
321-1 to 6	Readings in Government	001	TBA			
340b-4	American Legislative Process [GSB 203a or consent of chairman]	001	11:30 11:30	M TWTh	PB 3102 PB 0406	Tubbesing
350c-4	The Soviet Political System [200 or consent of chairman]	001	8:30	MTWTh	PB 0309	Stahnke
355c-4	African Political Systems [200 or consent of chairman]	001	10:30	MTWTh	PB 1308	Haydar
422-4	Public Financial Administration [360 or consent of chairman]	001	9:30	MTWTh	CB 0194	McCabe
445c-4	Public Opinion, Propaganda, and Mass Media in the United States [203a or consent of chairman]	001	2:30	MTWTh	CB 0194	Lee
472b-4	Regional International Organizations [200 or consent of chairman]	001	1:30	MTWTh	PB 1308	Feeney
473c-4	Foreign Policies of Western European States [370 or consent of chairman]	e001	6:30-8:20	M W	PB 0406	Glaser
484c-4	History of Western Political Theory (Same as Phil 484c) [385 or consent of instructor]	001	9:30	MTWTh	PB 0408	Runkle
514-3	Studies in Asian History and Politics (Same as Hist 514) [Consent of chairman]	e001	6:30-10:20	M	PB 0412	Hsiao
521-1 to 12	Readings in Government	001	TBA			

529-2 to 9	Seminar in Public Administration [Consent of chairman]	001	TBA			McHargue
555-2 to 9	Seminar in Comparative Politics [Consent of chairman]	e001	6:30-10:20	T	PB 3317	Stahnke
599-2 to 9	Thesis [Consent of chairman]	001	TBA			

HEALTH EDUCATION (H ED)

302s-4	Driver Education and Training	001	8:30 8:30	MWF T	PB 2412 PB 3317	Klein
443s-4	Methods and Materials in Driver Education	001	1:30	MTWTh	PB 2412	Kristoff
460-4	Methods and Materials in Secondary School Health Education	001	1:30 1:30	MWF T	PB 0413 PB 0408	Klein

HISTORY (HIST)

100-3	Survey of Ancient History	001	3:30	MTTh	PB 1410	Wurtz
102-4	Survey of Asian Civilization	001	11:30	MTWTh	PB 1307	Chen
332c-3	Medieval History [Sophomore standing]	e001	6:30-7:45	T Th	PB 2410	Wurtz
338b-3	History of Greece [Sophomore standing]	001	2:30	MWF	PB 0309	Astour
341c-3	History of Religion in Western Civilization [GSB 101b,c]	001	9:30	MWF	PB 1307	Pearson
352c-3	History of Latin America	001	1:30	MWF	PB 0412	Millett
372c-3	History of Russia	001	12:30	MWF	PB 1313	Santoni
405-3	The American Civil War [GSB 300b or consent of instructor]	001	12:30	MWF	PB 0413	Riddleberger
410-2 to 5	Special Readings in History [Consent of	001	TBA			

428-4	The Age of Jackson [GSB 300a]	e001	8:30-10:20	T Th	PB 1307	Riddleberger
430c-3	Late Modern Europe: Since 1918 [GSB 101c]	001	10:30	MWF	PB 1307	Weingartner
440c-3	History of American Diplomacy: Since 1945 [GSB 300]	001	2:30	MWF	PB 2410	Weiss
452-3	Historical Research and Thesis Writing [History concentrations, junior standing]	001 e002	8:05-9:20 8:30-9:45	T Th T Th	PB 2409 PB 2409	Millett Grant
473b-3	The Caribbean Area: Central America	e001	6:30-7:45	M W	PB 2411	Millett
500-4	History Seminar [Graduate standing] Additional hours TBA	e001	5:30	W	PB 2411	McCurry
510-2 to 5	Readings in History [Consent of chairman]	001	TBA			
511-3	Studies in the Middle Ages Additional hours TBA.	001	3:30	W	PB 2411	Steckling
512-3	Studies in Nineteenth Century Europe [430a,b or consent of instructor] Additional hours TBA.	001	3:30	M	PB 2411	Kimball
513-4	Problems in Ancient History Additional hours TBA.	e001	5:30	T	PB 2411	Astour
514-3	Studies in Asian History and Politics (Same as Govt 514) [Consent of chairman]	e001	6:30-10:20	M	PB 0412	Hsiao
599-1 to 9	Thesis [Consent of chairman]	001	TBA			

HUMANITIES (HUM)

303-3 or 4	Humanities Honors [By permit only] Philosophic Themes in 20th Century Literature: The Self--Solidary or Solitary?	001	9:30	TThF	PB 3317	Keene

INSTRUCTIONAL MATERIALS (I M)

403-4	School Library Functions and Management Lab hours TBA.	e001	5:30-8:20	M	PB 1302	Mundt
407-4	Basic Reference Sources Lab hours TBA.	e001	5:30-8:20	T	PB 1302	
413-4	Cataloging of Non-Book Materials Lab hours TBA.	e001	5:30-8:20	W	PB 1302	
417-4	Audio-Visual Methods in Education Student enrolls for one section and arranges one hour per week self-instruction.	001 e002	12:30-3:20 5:30-8:20	T W	LB 0044 LB 0044	Mitchell Gilligan
420-4	School Library Activities and Practice Lab hours TBA.	e001	5:30-8:20	W	PB 0411	Mundt
440-2	Photography for Teachers Lab hours TBA.	e001	5:30-7:20	M	PB 0411	Joyner
445-4	Preparation of Teacher-Made Audio-Visual Materials Lab hours TBA for all sections.	e001 e002 003	5:30-8:20 5:30-8:20 9:00-11:40	T Th S	PB 0409 PB 0409 PB 0409	Joyner Madison Madison
458-4	The Medium of the Motion Picture	001	9:00-11:40	S	PB 0411	
547-4	School Film and Filmstrip Production	e001	5:30-8:20	Th	PB 1302	Joyner
548-4	Supervision and Administration of an Audio-Visual Program	e001	5:30-8:20	T	PB 0411	Gilligan
560-4	Seminar in Instructional Materials	e001	5:30-8:20	Th	TBA	Mundt
576-2 to 8	Problems in Instructional Materials	001	TBA			Madison

JOURNALISM (JRNL)

103-3	News	001	9:30	MWF	CB 0186	Ward
201-3	News Writing and Editing I	001	12:30	MWF	CB 0186	Ward

303-3	News Writing and Editing III [103, 201]	001	1:30-4:20	W	PB 0307	Ward
340-3	The Law of Journalism	001	11:30-1:00	T Th	PB 1304	Hasse
370-3	Principles of Advertising	001	8:30	MWF	CB 0186	Hasse
391-3	Feature Writing	001	2:30-5:20	M	CB 0186	Hasse
402-2	Journalism Practicum [Consent of instructor]	001	TBA			Thiel

MANAGEMENT SCIENCE (M S)

280-4	Computer Principles and Application [Non-business students only]	e001	6:30-8:20	M W	CB 0186	
380-4	Management Systems I [Acct 231, consent LIFT for Sections 002, 004, 005]	001	8:30-10:20	M W	PB 2405	
		002	8:30-10:20	M W	PB 3315	
		003	12:30-2:20	M W	PB 2403	
		004	12:30-2:20	M W	PB 3315	
		005	8:30-10:20	T Th	PB 3315	
382-4	Management Systems Simulation [310]	001	8:30-10:20	T Th	PB 3303	
480-4	Management Systems III [381]	001	12:30-2:20	M W	PB 3316	
		e002	6:30-8:20	T Th	PB 3313	
489-1 to 4	Independent Study in Management Science	001	TBA			
513-4	Deterministic Models in Decision Making	e001	6:30-10:20	M	PB 3303	
583-4	Advanced Management Systems [QM 510, 511]	e001	6:30-10:20	Th	PB 3404	

MARKETING (MKTG)

370-4	Consumer Behavior [GSB 103a,b, GSB 201c, Econ 201, QM 211]	001	8:30-10:20	T Th	PB 3305	
		002	12:30-2:20	T Th	PB 3305	
371-4	Principles of Marketing Management [Consent LIFT for Section 002]	001	2:30-4:20	M W	PB 0312	
		002	2:30-4:20	M W	PB 3315	

452-4	Physical Distribution Management [470, QM 310]	001	2:30-4:20	T Th	PB 3303	
470-4	Marketing Research [371, QM 211]	001	8:30-10:20	T Th	PB 3302	
		e002	6:30-8:20	M W	PB 3302	
471-4	Advertising Policy and Management [470]	001	8:30-10:20	M W	PB 3313	
473-4	Advanced Marketing Management [Senior standing]	001	10:30-12:20	T Th	PB 3313	
		e002	8:30-10:20	T Th	PB 2411	
479-1 to 4	Independent Study in Marketing	001	TBA			
570-4	Marketing Concepts [MBA students only]	001	8:30-12:20	S	PB 3316	

MATHEMATICS (MATH)

101-4	Fundamental Mathematics	001	12:30	MTWThF	PB 0304	Delahanty
		002	2:30	MTWThF	PB 0304	Raymond
		003	8:30	MTWThF	PB 0304	Beradino
		004	3:30	MTWThF	PB 0304	Wu
		005	9:30	MTWThF	PB 0304	Gusewelle
		e006	6:30-8:20	M W	PB 0304	Rubison
150a-4	Elementary Calculus and Analytic Geometry [GSD 114c]	001	9:30	MTWF	SL 1221	Grady
		002	1:30	MWThF	SL 1225	Fudurich
		003	11:30	MTThF	PB 0303	Kriz
		004	11:30	MWThF	SL 1225	Hattemer
		e005	6:30-8:20	M W	PB 0302	Beradino
150b-4	Elementary Calculus and Analytic Geometry [GSD 150a]	001	9:30	MWThF	SL 1224	Verderber
		002	1:30	MTWF	SL 1224	Verderber
		e003	6:30-8:20	M W	SL 0226	Lindstrum
225-4	Programming for Digital Computers [GSD 114a]	001	12:30	M W	SL 1225	Rutledge
			12:30	T Th	CB 0186	Coin
		002	12:30	M W	SL 1225	Rutledge
			1:30	T Th	CB 0186	Coin
		003	12:30	M W	SL 1225	Rutledge
			2:30	T Th	CB 0186	Coin
		004	12:30	M W	SL 1225	Rutledge
		e005	6:30-8:20	T Th	CB 0186	Wagace

		002	10:30	MTWF	SL 1225	A. Livingston
		003	11:30	MTWF	SL 1224	Kessler
			11:30	Th	SL 1220	
		e004	6:30-8:20	M W	PB 0303	Isaacson
		005	11:30	MTWF	PB 3302	
310-4	The Teaching of Elementary Mathematics [GSD 112]	001	8:30	MTWF	SL 1224	Fanning
		e002	4:30-6:20	M W	SL 1225	Fanning
321-4	Elementary Matrix Algebra [150b]	001	12:30	MWThF	PB 0302	Bennewitz
350a-4	Multivariable Calculus [250]	001	9:30	MTWF	SL 1225	Wilson
		002	1:30	MWThF	SL 2224	Lindstrum
350b-4	Multivariable Calculus [350a]	001	1:30	MTWF	SL 1221	Stephen
		002	8:30	MTWF	SL 1220	Kessler
395-2 to 12	Readings in Mathematics	001	TBA			
405a-4	Applied Mathematics for the Physical Sciences II [305]	001	1:30	MWThF	PB 0303	Garder
405b-4	Applied Mathematics for the Physical Sciences II [405a]	001	11:30	MTWF	SL 1220	Wilson
410c-4	Statistical Analysis [410b]	e001	4:30-6:20	T Th	SL 1221	Clemans
415-4	Non-Euclidean Geometry	001	1:30-3:20	T Th	SL 1220	P. Phillips
420b-3	Fundamental Concepts of Algebra [420a]	001	12:30	MWF	SL 1224	Lazerson
421b-3	Linear Algebra [421a]	e001	6:30-7:45	T Th	SL 1225	Poynor
425-3	Theory of Numbers [321, 350]	001	2:30	MWF	SL 1224	M. Livingston
445-4	Fundamental Concepts of Calculus [Consent of instructor]	e001	6:30-8:20	T Th	SL 1224	Sturley
446b-3	Structure of Mathematics [Consent of instructor]	e001	6:30-7:45	T Th	SL 1221	Holden

452c-3	Advanced Calculus [452b]	001	1:30	MWF	SL 1220	Hattemer
455c-3	Advanced Mathematics for the Physical Sciences [455b]	e001	5:00-6:15	T Th	SL 1224	Kurth
472c-3	Operations Research [225, 350a]	e001	8:00-9:15	T Th	SL 1225	Wallace
473b-3	Computer Science [473a]	e001	8:00-9:15	M W	SL 1225	
474b-3	Introduction to Digital Computer Design [474a]	e001	6:30-7:45	M W	SL 1225	
475c-3	Numerical Analysis [225, 305]	e001	5:00-6:15	M W	SL 1224	Isaacson
483b-3	Introduction to Mathematical Statistics [483a]	e001	6:30-7:45	M W	SL 1224	Clemans
483c-3	Introduction to Mathematical Statistics [483b]	001	12:30	MWF	SL 2224	Pendergrass
501c-3	Real Variables [501b]	e001	4:45-6:00	M W	SL 1221	Kurth
520c-3	Modern Algebra [520b]	e001	8:00-9:15	M W	SL 1220	Lazerson
550a-1 to 10	Seminar: Algebra [Consent of instructor]	001	TBA			
550c-1 to 10	Seminar: Analysis [Consent of instructor]	001	TBA			
550d-1 to 10	Seminar: Probability and Statistics [Consent of instructor]	001	TBA			
555c-3	Complex Variables [555b]	e001	6:30-7:45	M W	SL 1220	A. Livingston
576c-3	Advanced Topics in Applied Mathematics [421, 455]	e001	8:00-9:15	M W	SL 1221	Garder
580c-3	Mathematical Methods of Statistics [421, 455]	e001	8:00-9:15	M W	SL 1224	Clemans
[illegible]	Special Projects	001	TBA			
599-1 to 9	Thesis	001	TBA			

001a-1	Symphonic Band [By permit only]	001	12:30-2:20	MWF	CB 1029	Fjerstad
001b-1	University Band	001	12:30-2:20	T Th	CB 1029	Oberlag
001c-1	Stage Band [By permit only]	e001	4:30	T Th	CB 1029	Davis
002b-1	University Chorus	001	11:30	MWF	PB 1402	Wiesenmeyer
002e-1	Community Choral Society	e001	7:30-9:30	T	PB 1402	
002g-1	Concert Chorale [By permit only]	001	11:30	MTWThF	CB 1029	Wiesenmeyer
003-1	University Symphony Orchestra	e001	8:00	T	CB 1029	Schieber
010a-1	Class Applied Music - Strings	001	1:30	MWF	CB 0158	Schieber
010b-1	Class Applied Music - Woodwinds [By permit only]	001	8:30	MWF	CB 0160	Oberlag
010d-1	Class Applied Music - Percussion	001	10:30	MWF	CB 0158	Fjerstad
010e-1	Class Applied Music - Piano	001	8:30	MWF	PB 3406	Cambon
		002	9:30	MWF	PB 3406	Ferguson
		003	8:00-9:20	T Th	PB 3406	Ferguson
		004	1:30	MWF	PB 3406	Ferguson
010f-1	Class Applied Music - Voice	001	9:30	MWF	CB 0158	Turner
		002	8:30	MWF	CB 0158	Vang
105b-4	Theory of Music	001	8:30	MTWThF	CB 1029	Davis
105c-4	Theory of Music	001	8:30	MTWThF	CB 0194	Perry
		002	1:30	MTWThF	CB 0194	Pival
106c-5	Techniques and Literature of Music Practice	001	8:30	MTWThF	PB 3404	Warren
140a-u, 2 or 4	Private Applied Music [By permit only]	001	TBA			

140a-u, 2 or 4	Private Applied Music a. Violin b. Viola c. Cello d. String Bass e. Flute f. Oboe g. Clarinet h. Bassoon i. Saxophone j. Percussion k. Piano l. French Horn m. Trumpet n. Trombone o. Tuba p. Baritone q. Voice r. Organ s. Harpsichord t. Harp u. Guitar					
200-3	Fundamentals of Music	001	10:30	MWF	PB 3404	Vang
205c-3	Theory of Music	001	10:30	MTWTh	CB 0194	Oberlag
		002	10:30	MTWTh	CB 1029	Davis
206c-5	Techniques and Literature of Music Practice	001	9:30	MTWThF	PB 3404	Warren
240a-u, 2 or 4	Private Applied Music [By permit only] See 140 a-u	001	TBA			
301c-3	Music Education	001	2:30	MWF	PB 3404	McMillan, Tulloss, Vang
307-4	Recreational Music	001	2:30-4:20	T Th	PB 3404	Vang
340a-u, 2 or 4	Private Applied Music [By permit only] See 140 a-u	001	TBA			
355c-1	Chamber Music Ensemble - Strings [By permit only]	001	TBA			Pival
355b-1	Chamber Music Ensemble - Woodwinds [By permit only]	001	11:30	T Th	CB 0158	Mellot
357c-3	Music History and Literature	001	3:30	MWF	PB 3404	Cambon
440a-u, 2 or 4	Private Applied Music [By permit only] See 140 a-u	001	TBA			
461a-3	Teaching Techniques and Materials for the Beginning and Intermediate Levels	001	1:30	MWF	CB 0160	Premezzi, Spottiswoode
465-3	Development and Teaching of Strings	e001	5:30-8:00	T	CB 1029	Kenyan

482-2 or 3	Readings in Music History-Literature [By permit only]	001	TBA			
483-2 or 3	Readings in Music Education [By permit only]	001	TBA			
499-1 to 3	Independent Study [By permit only]	001	TBA			
514-2	Collegium Musicum [By permit only]	001	1:30	Th	CB 0158	Warren
519c-3	Vocal Pedagogy and Literature	e001	4:30	MWF	Tract 15	Moore
540a-u, 2 or 4	Private Applied Music [By permit only] See 140 a-u	001	TBA			
550b-4	Organization and Administration of the Music Education Program	e001	5:30-8:20	M	CB 0194	Tarwater, Blakely
560-3	Seminar in Music Education	e001	5:30-8:20	W	PB 3404	McMillan, Joseph
566-1	Instrumental Ensemble [By permit only]	001	TBA			
567-1	Vocal Ensemble [By permit only]	001	TBA			
599-2 to 6	Thesis [By permit only]	001	TBA			

NURSING (NURS)

280c-4	Nursing and Community Health	001	11:30-1:20	M	PB 0406
			8:00-12:00	W	Clin Lab
			1:30	W	LB 0012
		002	11:30-1:20	M	PB 0406
			8:00-12:00	F	Clin Lab
			1:30	F	LB 0012
302b-4	Nursing II	001	2:30-4:20	W	PB 0314
			8:00-2:20	T	Hospital
363b-4	Nursing III	001	2:30-4:20	W	LB 0012
			8:00-2:20	W	Hospital

382-10	Nursing VI	001	8:30-10:20 7:00-3:30	M Th T W	PB 1311 Hospital	
384-2	Senior Seminar	001 002	8:30-10:20 10:30-12:20	F F	PB 1309 PB 1309	
385a,b,c,d-1	Independent Study [By permit only]	001	TBA			

PERSONNEL (PERS)

450-4	Personnel Administration [GBA 340]	001 e002	8:30-10:20 6:30-8:20	T Th M W	PB 2403 PB 2405	
451-4	Labor Relations Law and Collective Bargaining [GBA 340]	001	8:30-12:20	S	PB 3313	
452-4	Advanced Problems in Personnel Administration [450]	001	12:30-2:20	M W	PB 3404	
453-4	Advanced Problems in Industrial Relations [451]	001 e002	2:30-4:20 8:30-10:20	T Th T Th	PB 0412 PB 2403	

PHILOSOPHY (PHIL)

200-4	Introduction to Philosophy	001	12:30	MTThF	PB 0309	Paxson
302-4	World Religions [Sophomore standing]	001	9:30	MTThF	PB 0309	Linden
342-4	Social and Political Theory [Sophomore standing]	001	10:30-12:20	M W	PB 0408	Broyer
345-4	The Aesthetics of Film [Completion third-level GSC, sophomore standing]	001	1:30 1:30-3:20	MTF Th	LB 0044 LB 0044	Linden
385a-4	History of Western Philosophy: Ancient [Sophomore standing]	e001	6:30-8:20	T Th	PB 0309	Lawrence
385d-4	History of Western Philosophy: 19th Century [Sophomore standing]	001	12:30	MTThF	PB 0408	F. Marti

[Sophomore standing]

484c-4	History of Western Political Thought [Same as Govt 484c, Junior standing]					
490-4	Special Problems: Problems in Inductive Logic [430, by permit only]	001	2:30-4:20	M W	PB 1304	Barker
495-2 to 12	Independent Readings [By permit only]	001	TBA			
502a-2	Methods of Teaching Philosophy [Graduate standing]	001	TBA			
502b-2	Methods of Teaching Philosophy [502a]	001	TBA			
535-4	Aristotle [Graduate standing]	e001	4:30-6:20	T Th	PB 1309	Emblom
575-4	The Ontological Argument [Graduate standing]	001	2:30-4:20	T Th	PB 3317	Corr
PHYSICAL EDUCATION (P E)						
025-0	Orientation	001	11:30	W	PB 0412	Lee
303-5	Kinesiology [Biol 310a,b]	001	3:30	MTWThF	PB 2412	Archangel
305-3	Physical Education for the Atypical Student [303]	001	10:30	MWF	PB 1313	Showers
323c-1	Officiating Techniques	001	TBA			
348-3	Camp and Community Leadership	001	9:30	MWF	PB 2412	Bobka
350-4	Methods and Materials for Teaching Physical Education Activities in the Elementary School Additional ten hours TBA for all sections.	001 002 e003	10:30-12:20 1:30-3:20 5:30-8:20	T Th M W M	LB 0033 LB 0033 LB 0033	Moehn Luedke Moehn
370-4	Tests and Measurements in Physical Education	001	11:30 11:30-1:20	M W F	PB 2412 PB 2412	Showers
376-3	Emergency Care and Prevention of Athletic Injuries	e001	5:30-8:20	W	LB 0033	Buddell
382-4	Methods and Materials in Secondary Schools [Consent of instructor]	001	10:30 10:30-12:20	M W F	PB 2412 LB 0033	Archangel

383-2	Outdoor Group Games Additional eight hours TBA.	001	9:30	T Th	LB 0033	Moehn
385-2	Indoor Group Games Additional eight hours TBA.	001	8:30	T Th	LB 0033	Moehn
387-2	Developmental Skills Additional eight hours TBA.	001	12:30	M W	LB 0033	Luedke
389-4	Affiliation in Physical Education	001	TBA			Herrold
475-4	Individual Research	001	TBA			Herrold
504-4	Problems in Physical Education	e001	6:30-9:40	Th	PB 2412	Showers
509-4	Supervision of Health and Physical Education	e001	5:30-8:40	M	PB 2412	Herrold
525-4	Readings in Physical Education	001	TBA			Herrold

PHYSICS (PHYS)

206c-5	College Physics [206b]	001	11:30	MTWThF	SL 0226
			12:30-2:20	F	SL 1218
		002	11:30	MTWThF	SL 0226
			2:30-4:20	F	SL 1218
211c-4	University Physics: Electricity and Magnetism [211a] Student enrolls in one lecture and one problem session.	Lect A	11:30	MWF	SL 1105
		Lect eB	6:30	MTTh	SL 1105
		001	10:30	T Th	SL 1220
		002	10:30	T Th	SL 1221
		003	11:30	T Th	PB 0403
		004	11:30	T Th	PB 2406
		005	11:30	T Th	LB 0051
		006	10:30	T Th	SL 2224
		e007	7:30	M Th	SL 1105
212c-1	University Physics Laboratory [212a]	001	2:30-5:20	M	SL 1218
		002	8:30-11:20	T	SL 1218
		003	2:30-5:20	T	SL 1218
		004	8:30-11:20	W	SL 1218
		005	2:30-5:20	W	SL 1218
		006	8:30-11:20	Th	SL 1218

		e009	7:30-8:20	T	SL 1218	
			6:30-8:20	W	SL 1218	
		e010	6:30-9:20	F	SL 1218	
305b-4	Introduction to Electromagnetic Field Theory [305a]	001	10:30	MTThF	SL 0226	Hakeem
		e002	8:00-9:40	T Th	SL 0226	Slotboom
320-4	Special Relativity [211]	001	1:30	MTThF	SL 0226	
418-1	Modern Physics Laboratory [300b]	001	9:30-12:20	W	SL 0211	
420-2 to 5	Special Projects	001	TBA			
450-4	Introduction to Solid State Physics [300a, 305]	001	9:30	MTThF	SL 0226	
530b-3	Electromagnetic Theory [530a]	e001	6:30-7:45	T Th	SL 0226	Swamy
531c-3	Quantum Mechanics [531b]	001	9:30	MWF	SL 1220	Aly
590-1 to 9	Research in Physics - Thesis	001	TBA			
PRODUCTION (PROD)						
460-4	Production Management [GBA 340]	e001	6:30-8:20	M W	PB 2304	
463-4	Advanced Production Management [460, 461, 462]	e001	8:30-10:20	T Th	PB 3313	
PSYCHOLOGY (PSYC)						
211a-4	Principles and Methods of Psychology [GSB 201c]	001	9:30	T Th	PB 2306	McLaughlin
			10:30-12:20	M	SL 2212	
		002	9:30	T Th	PB 2306	
			10:30-12:20	T	SL 2212	
		003	9:30	T Th	PB 2306	
			10:30-12:20	W	SL 2212	
		004	9:30	T Th	PB 2306	
			10:30-12:20	F	SL 2212	

211b-4	Principles and Methods of Psychology [GSB 201c]	001	12:30-2:20	T Th	PB 0413	Starr
		e002	6:30-8:20	T Th	PB 0412	Brinkman
301-4	Child Psychology [GSB 201c]	001	10:30-12:20	T Th	PB 3305	Kohfeld
		002	12:30-2:20	M W	PB 3305	
		e003	6:30-8:20	M W	PB 3305	
303-4	Adolescent Psychology [GSB 201c]	001	8:30-10:20	M W	PB 3305	
		002	2:30-4:20	T Th	PB 3305	
305-4	Introduction to Personality Dynamics [GSB 201c]	001	12:30-2:20	T Th	PB 2306	Behring
		e002	5:30-7:20	T Th	PB 3305	
307-4	Social Psychology [GSB 201c]	001	2:30-4:20	T Th	PB 2403	
311-4	Experimental Psychology: Learning [211a,b]	001	8:30-10:20	M W	SL 2212	
		002	12:30-2:20	T Th	SL 2212	Ferguson
313-4	Experimental Psychology: Motivation [311]	e001	6:30-8:20	T Th	SL 2212	Ferguson
314-4	Experimental Psychology: Comparative and Physiological [311]	e001	8:30-10:20	T Th	SL 2212	Kleinman
320-4	Industrial Psychology [GSB 201c]	e001	6:30-8:20	T Th	PB 3409	Robbins
409-4	History and Systems [By permit only, consent of instructor] Meets second four Friday nights only.	e001	5:30-8:20	W F	CB 0194	McCall
420-4	Experimental Analysis of Behavior [GSB 201c] Meets first four Friday nights only.	e001	5:30-8:20	M F	SL 2212	McLaughlin
421-4	Psychological Tests and Measurements [211b, consent of instructor]	001	10:30-12:20	T Th	PB 3404	
431-4	Psychopathology [305 or consent of instructor] Section 002 meets first four Friday nights only.	001	2:30-4:20	M W	PB 1308	
		e002	5:30-8:20	M F	PB 1308	
	Meets first four Friday nights only.	e001	5:30-8:20	Th F	PB 1315	

440-4	Theories of Personality [305 or consent of instructor]	001	10:30-12:20 10:30-12:20	M W	PB 0403 PB 0302	
465-4	Group Dynamics and Individual Behavior [307 or consent of instructor] Section 002 meets second four Friday nights only.	001 e002	1:30-3:20 5:30-8:20 5:30-8:20	T Th T F	PB 0302 PB 1315 PB 1313	Walsh
490-1 to 4	Independent Projects [Consent of chairman]	001	TBA			
495-4	Seminar: Selected Topics - Clinical Child Psychology [Consent of instructor] Meets second four Friday nights only.	e001	5:30-8:20	W F	SL 2212	Lamp
501c-4	Proseminar in General Psychology [Consent of instructor or chairman]	e001	5:30-7:20	T Th	PB 3302	Traxler, Kleinman, Clodfelder
522-4	Research Design and Inference III [521]	e001	7:30-9:20	T Th	PB 3302	Starr
530-4	Personality Theories and Dynamics [Consent of chairman]	e001	5:30-8:20	M	PB 3409	
531-4	Advanced Psychopathology [530, 541, consent of instructor]	e001	5:30-8:20	M	PB 0312	Skinner
537-4	Counseling and Psychotherapy [Consent of instructor]	e001	5:30-8:20	W	LB 0034	Walsh
541a-4	Psychodiagnostics I [211b, 421, consent of instructor]	e001	5:30-8:20	M	GO 2225	Lamp
541b-4	Psychodiagnostics I [211b, 421, consent of instructor]	e001	5:30-8:20	W	GO 2225	McMahon
543a-4	Psychodiagnostics II [541 or consent of instructor]	e001	5:30-8:20	T	PB 1304	Taliana
552-4	Experimental Child Psychology [451 or consent of instructor]	e001	5:30-8:20	W	PB 2306	Traxler

561-4	Social Influence Processes [461 or consent of instructor]	e001	5:30-8:20	T	TBA	
564-4	Communication and Group Behavior [471 or consent of instructor]	e001	5:30-8:20	M	PB 1410	Engbretson
571-4	Industrial Motivation and Morale [320 or consent of instructor]	e001	5:30-8:20	M	PB 2413	Daugherty
590-1 to 4	Readings in Psychology [Consent of chairman]	001	TBA			
591-1 to 4	Research in Psychology [Consent of chairman]	001	TBA			
593-2 to 4	Practicum in Psychology	001	TBA			Lamp
598-2	Ethical and Professional Problems in Psychology [Psychology concentration or consent of instructor]	e001	TBA			
599-2 to 4	Thesis	001	TBA			

QUANTITATIVE METHODS (Q M)

210-4	Introduction to Quantitative Methods [GSD 114d]	001	10:30-12:20	T Th	PB 0312	
211-4	Statistical Analysis for Business Decisions [210]	e001	6:30-8:20	M W	PB 1316	

SCIENCE AND TECHNOLOGY (SC & T)

402-4	Modern Physics [GSA 101a]	001	2:30	MWThF	SL 1221	Zurheide
403a-3	Experiments and Techniques of Physics	001	TBA		SL 0212	Zurheide
415-1	Instructional Innovation for the Physical Sciences Meets on alternate Saturdays.	001	9:00-12:00	S	SL 0226	Zurheide, Slotboom
505a-3	Concepts of Electricity and Magnetism	e001	6:45-9:15	T	SL 1220	Zurheide

301-4	Social Theory and Methods of Inquiry	001	10:30-12:20	T Th	PB 1306	Reynolds
312-4	Research Methodology and Data Analysis	001	12:30-2:20	M W	PB 3303	Crowther
320-4	Racial and Ethnic Relations	001	3:30-5:20	M W	PB 1307	Haas
321-4	Introduction to Social Psychology	001	2:30-4:20	M W	PB 2403	Campisi
		e002	6:30-8:20	M W	LB 0042	Henslin
332-4	Social Organization	001	10:30	TWThF	PB 0403	Campbell
371-4	Population and Migration	001	1:30	TWThF	PB 1412	Campbell
372-4	Criminology	e001	6:30-8:20	T Th	PB 1312	Humphreys
374-4	Sociology and Education	001	12:30	MTWF	PB 0403	Grubb
396-4	Readings	001	TBA			
405-4	Current Sociology	001	3:30-5:20	T Th	PB 1306	Reynolds
406-4	Social Change	001	12:30-2:20	T Th	PB 1307	Lauer
426-4	Social Psychology of Interpersonal Relations	001	1:30-3:20	T Th	PB 1306	Hamblin
436-4	The Social Structure of the United States	001	2:30-4:20	M W	PB 1414	Blain
451-4	Social Thought: The Sociological Movement	e001	6:30-8:20	T Th	PB 0314	Reynolds
484-4	Marriage Counseling	e001	6:30-10:20	M	PB 2403	Taylor
519-4	Methodological Foundations of the Social Sciences	001	3:30-5:20	M W	PB 0309	Crowther
521-4	Seminar in Social Psychology	e001	6:30-8:20	M W	PB 2414	Campisi
567-4	Seminar in the Sociology of Deviance	001	TBA			Henslin
596-2 to 8	Readings in Sociology	001	TBA			
599-2 to 8	Thesis	001	TBA			

SOCIAL WELFARE (SOC W)

383-4	Introduction to Interviewing	e001	6:30-8:20	M W	PB 0306	Teer
482a-4	Social Work in Selected Agencies	001	TBA			Teer
482b-4	Social Work in Selected Agencies	001	TBA			Teer

SPECIAL EDUCATION (SP ED)

353-8	Special Education Student Teaching [By permit only]	001	TBA			Tucker
410a-4	Problems and Characteristics of the Emotionally Disturbed Child [414] Meets first four Fridays only.	e001	5:30-8:20	W F	PB 1312	Long
410b-4	Problems and Characteristics of the Mentally Retarded Child [414] Meets first four Fridays only.	e001	5:30-8:20	T F	PB 1414	
410c-4	Problems and Characteristics of the Gifted Child [414, by permit only] Meets first four Fridays only.	e001	5:30-8:20	W F	SL 1105	
410g-4	Problems and Characteristics of the Learning Disabled Child [414] Meets first four Fridays only.	e001	5:30-8:20 5:30-8:20	M F	PB 1312 PB 1307	Long
413a-4	Directed Observation of the Emotionally Disturbed [410a or concurrent enrollment in 410a]	001	TBA			
413b-4	Directed Observation of the Educable Mentally Handicapped [410b or concurrent enrollment in 410b]	001	TBA			
414-4	The Exceptional Child [C Ed 305] Section 002 meets second four Fridays only.	001 e002	10:30-12:20 5:30-8:20	M W T F	PB 2304 PB 0304	Troutt Troutt
420b-4	Methods and Materials in the Education of	e001	5:30-8:20	Th F	SL 1220	

Meets first four Fridays only.

	only.					
428-4	Speech Correction for the Classroom Teacher (Same as SP & A 428) Additional hour TBA.	e001	5:30-8:20	Th	CB 2012	Taylor
430-4	Behavior Modification in Special Education [Psyc 420] Meets second four Fridays only.	e001	5:30-8:20 5:30-8:20	T F	CB 0194 CB 0186	Ferritor
481a-4	Seminar: Emotionally Disturbed [410a] Meets first four Fridays only.	e001	5:30-8:20 5:30-8:20	Th F	CB 0194 PB 0302	Long
496-4	Readings and Independent Study in Special Education [By permit only]	001	TBA			Shaffer
501-4	Special Research Problem [By permit only]	001	TBA			
517-4	The Atypical Child and Social Agencies [414] Meets first four Fridays only.	e001	4:30-7:20 4:30-7:20	M F	PB 1313 PB 1309	Whiteside
577-4	Practicum in Special Education [Consent of chairman, by permit only]	001	TBA			Tucker
SPEECH (SPCH)						
104-4	Training the Speaking Voice	001	8:30	MWThF	CB 2012	St. Onge
3xx-4	Speech Practices	001	2:30-4:20	T Th	CB 2012	Hawkins
301-4	Persuasion	001	12:30-2:20	T Th	PB 1309	Hawkins
303-4	Business and Professional Speaking	e001	5:30-7:20	T Th	LB 0051	Robinson
407b-4	History of American Public Address	001	9:30-11:20	T Th	LB 0051	Stoppe
449-4	General Semantics	001	1:30	MWThF	CB 2012	St. Onge
525-4	Seminar: Speech Education	e001	5:30-8:20	M	LB 0051	White

SPEECH PATHOLOGY AND AUDIOLOGY (S P & A)

200-4	Phonetics	001	10:30	MWThF	CB 2012	Lieblich
212-4	Articulatory Problems and Delayed Speech	001	9:30	MWThF	CB 2012	Carey
319-4	Stuttering Additional hour TBA.	e001	5:30-8:20	M	CB 2012	Maag
400-1 to 4	Independent Study in Speech Correction and Audiology	001	TBA		CB 2012	Lieblich
405a,b,c-4	Practicum in Speech and Hearing Therapy Additional hours TBA.	001	8:30	W	CB 2012	Taylor
419-4	Communication Problems of the Deaf and Hard of Hearing	001	12:30	MWThF	CB 2012	Shoquist
428-4	Speech Correction for the Classroom Teacher (Same as Sp Ed 428) Additional hour TBA.	e001	5:30-8:20	Th	CB 2012	Taylor
522b-4	Seminar: Organic Speech Problems Additional hour TBA.	e001	5:30-8:20	W	CB 2012	Carey
529a-4	Seminar in Stuttering Behavior Additional hour TBA.	e001	5:30-8:20	T	CB 2012	Lieblich

THEATER (THEA)

100-0,2,4, or 6	First Year Work in Theater [Consent of Director of Theater]	001	TBA		CB 2015	
200-0,2,4, or 6	Second Year Work in Theater [Consent of Director of Theater]	001	TBA		CB 2015	
300-0,2,4, or 6	Third Year Work in Theater [Consent of Director of Theater]	001	TBA		CB 2015	
or 6	Director of Theater]	001	TBA		CB 2015	

of University Theater, Dr. Rieth, CB 1030, before their appointment with General Studies Advisement and before registering. Students will be assigned the following hours according to the amount of credit taken:

	Dance/Stage Movement		9:30	MWThF	CB 2015	
			10:30	MWThF	CB 2015	
			11:30	MWThF	CB 2015	
			12:30	MWThF	CB 2015	
	Business Practices Studio		1:30	T Th	CB 2015	
	Design/Technical Theater Studio		2:30-4:20	T Th	CB 2015	
	Acting/Directing Studio		2:30-5:20	M W	CB 2015	
	Costuming/Makeup Studio		2:30-4:20	F	CB 0194	
		e	4:30	T Th	CB 0194	
	Rehearsal	e	6:30-9:20	MTWThF	CB 2015	
410-3	Children's Theater	001	10:30-12:20	T Th	CB 0186	Branham
412b-4	Stage Design Additional hour TBA.	e001	5:30-8:20	T	SL 1216	Vilhauer
507-4	History of Acting Additional hour TBA.	e001	5:30-8:20	W	PB 2406	Archer
519-1 to 4	Theater Practicum	001	TBA			Vilhauer

TELEVISION-RADIO (TV-R)

100-4	Process and Effects of Mass Communication	001	10:30-12:20	T Th	PB 0304	Rider, Regnell
300-5	Radio Production [201a] Additional hours TBA.	001	1:30 1:30-3:20	M W F	CB 0139 CB 0139	Shaheen
301-5	Television Production [201b]	001	10:30 10:30-12:20	MWF T Th	CB 1014 CB 1012	Moormann
400-4	Seminar in Mass Communications: Mixed Media [Senior standing]	001	1:30-3:20	T Th	CB 0139	Shaheen
402-4	Seminar in Broadcasting Management [Senior standing] Additional hours TBA.	001	1:30-3:20	W	CB 1023 CB 0137	Regnell

403-4	Seminar in Educational Broadcasting	001	4:00-6:00	T Th	CB 1014	Treble
406-4	Special Events [201, 302, and 202, or consent of instructor]	001	12:30-2:20	T Th	CB 1014	Treble
TECHNICAL AND ADULT EDUCATION (T & AE)						
Reading Improvement		e001	4:30-6:20	T	PB 0412	
		e002	4:30-6:20	Th	PB 0412	
		e003	6:30-8:20	W	PB 0412	
		e004	8:30-10:20	W	PB 0412	
English Review		e001	8:30-10:20	T	PB 0412	
		e002	8:30-10:20	Th	PB 0412	
		e003	6:30-8:20	W	PB 0413	
		e004	8:30-10:20	W	PB 0413	
VOCATIONAL-TECHNICAL INSTITUTE (VTI)						
CCS 207-4	Administration of Pre-School Centers Additional hour TBA.	e001	5:30-8:20	T	PB 2406	Rockwell
CCS 209-4	Pre-School Practicum [By permit only]	001	TBA			Naylor

WORK SHEET—STUDENT'S ACADEMIC PROGRAM Quarter _____ Year _____

The General Studies student should submit this form to General Studies Advisement; the non-General Studies student to the sectioning center.

Name _____
(Last) (First) (Middle) (Record Number)

Address _____
(Number and Street) (City and State) (Phone Number)

Concentration _____ Secondary Concentration _____

Class _____ Day ( ) Evening ( ) Number of hours student works _____

SUBJECT AREA	COURSE NO.	SEC.	QTR. HRS.	BLDG. & ROOM	HOURS						INSTRUCTOR
					M	Tu	W	Th	F	S	

Second Class Postage Paid at
Edwardsville, Illinois 62025

Southern Illinois University

Bulletin

Schedule of Classes, Summer Quarter, 1970
Carbondale Campus

This Bulletin

contains the schedule of classes to be offered by the Carbondale Campus for the summer quarter, 1970, at Carbondale, Southern Acres, and Little Grassy Lake. It also provides information relative to admission, advisement, registration, and fees.

Schedule of Classes

Summer, 1970

Southern Illinois University at Carbondale

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 3, February 27, 1970. Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville, Illinois 62025. Published by Southern Illinois University, Carbondale, Illinois 62901, monthly except February, March, April, and December, when published semi-monthly.

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Registration Calendar
Summer, 1970

Monday, April 20–Thursday, July 2.
Registration period for graduate students. No graduate student will be admitted or readmitted on June 22, 23, or 24.
Wednesday, April 15–Friday, June 5.
Advanced registration period for all undergraduate students. New students should refer to the Advisement and Registration procedure on Page 1 for further procedural information. *All continuing undergraduate students are expected to be registered by June 5.*
Wednesday, June 10.
Undergraduate students will have their advanced registration cancelled if fees are not paid at the Bursar's Office by 4:00 P.M. on this date, unless they have had approval for deferment of fees and presented the deferral fee cards to the Bursar.

Beginning-of-the-Quarter Activities for Undergraduates
The dates listed below from Saturday, June 20 through Wednesday, June 24 are for undergraduates. Graduate students may register through the Graduate School during the dates given above.
Saturday, June 20.
Residence Halls open.
Advisement and registration for all non-registered new and re-entry students. All new students are expected to be advised and registered by this date.
Sunday, June 21.
New student orientation starts.
Monday, June 22.
New student orientation continues.
Advisement and registration for any non-registered continuing or re-entry student at the Arena. New students (both freshmen and transfer) will not be processed on this date.
This is the last date for regular registration. Late fee will be assessed on fees paid by undergraduate after this date.
Night classes (5:45 P.M. or later) start.
Tuesday, June 23.
Day classes start.
Advisement and registration open for program changes only.
Wednesday, June 24.
Last day for advisement and registration for the summer quarter, except for those students registering only for courses whose starting date is after this date. Registration in such cases may take place on the first day of class without the late registration fee being charged.
Last day to add a class.
Both registrations and program changes will be processed.
Late registration fee will be charged on fees paid by undergraduate.
Registration ends at 4 P.M.

Thursday, July 2.
Deadline for payment of fees by students whose fees were deferred. Graduate student registration will be cancelled if fees are not paid at the Bursar by 4:00 P.M.
Last day to withdraw from school to be eligible for a refund of fees.
Last day to drop a course to be eligible for a refund if that drop changes fee categories.
Friday, July 17.
Last day for undergraduates to withdraw from a course without receiving a letter grade.
Graduate students officially dropping a course after this date need not be given an evaluative letter grade.
Last day to change from credit to audit or vice versa for all students.
Wednesday, August 19.
Last day for making a program change or withdrawing from school.

Calendar of Events

June

19, Friday	* American College Test (Residual)
27, Saturday	* Admission Test for Graduate Study in Business
27, Saturday	† Graduate English Test

July

11, Saturday	* Graduate Record Examination
18, Saturday	* American College Test (National)
18, Saturday	* National Teacher Examinations
18, Saturday	† Graduate School Foreign Language Tests

August

1, Saturday	Deadline to file application at Registrar's Office for graduation at September 5, 1970 Commencement (graduate and undergraduate)
15, Saturday	Last day graduate students may submit their thesis, dissertation, or research report to the Graduate School to be eligible for September graduation.

* Pre-registration is required. Applicants should contact the Counseling and Testing Center for details at least four weeks before the tests.

† Pre-registration is required. Applicants should contact the Graduate School at least four weeks before the test.

University Calendar

SUMMER, 1970	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
FALL, 1970	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
WINTER, 1971	Quarter Begins	Monday, January 4 *
	Final Examinations	Saturday–Friday, March 13–19
SPRING, 1971	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12

* Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and with the evening classes after 4:30 P.M. on the Edwardsville Campus.

1 / General Information

This bulletin contains the schedule of classes for the summer quarter, 1970, for the Carbondale Campus. It also provides information relative to advisement and registration, fees, and allied information for the Carbondale Campus.

Admission

Inquiries concerning undergraduate admission to the Carbondale Campus should be directed to the Admissions Office; those on the graduate level to the Graduate School. Undergraduate admission applications should be completed at least thirty days in advance of the desired entrance date.

Registration and Advisement

The Carbondale Campus uses an academic advisement system whereby each undergraduate academic unit has a chief academic adviser and a number of assistant advisers selected from the teaching faculty. Undergraduate students entering the University for the first time will receive selective dates from the admission process from which they are to select the preferred date on which they will come to the campus to be advised and to advance register. This includes both freshmen and transfer students. They are not to write for appointments nor are they to come to Carbondale expecting to register unless it is the date indicated for them to do so.

Graduate students will initiate advisement with their advisers, and will complete the registration process at the Graduate School, where all registration forms will be completed and retained. Graduate students will not be required to go through the Registration Center. The registration process is handled at a later time, and the student receives a fee statement by mail. Cancellation of graduate student registrations for non-payment of fees occurs on the date indicated in the Registration Calendar. Graduate students may register during the period indicated in the Registration Calendar. No late fee will be assessed during this period. Graduate students who need to make program changes must follow the same procedure as undergraduate students in that these must be personally processed by the graduate students through the Registration Center.

After advisement the student may register for classes. See the Registration Calendar in this bulletin. Ordinarily, registration offices are open from 8:15 to 11:30 A.M. and 1:00 to 4:30 P.M., Monday through Friday, and from 8:30 to 11:30 A.M. on Saturday.

During the registration process the student goes through the Registration Center where the student assigns himself to specific sections of the courses he is to take.

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class.

New Students

Students entering the University for the first time are permitted to advance register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admission.

New undergraduate students, freshmen and transfer, will be expected to advance register on the same date that they come to the campus for advisement. Dates for students to do so will be selective ones in which the students are asked to come to the campus on specific dates as determined by the University. Students should not expect to be advised and registered on the same date they are admitted nor are they to come to the campus for advisement and registration without an appointment. Appointments for advisement and registration will be mailed from and are to be returned to the Registrar's Office.

New graduate students may register during the registration periods indicated on the registration calendars. Arrangements should be cleared with the Graduate School to do so to assure that the appropriate adviser will be available.

Re-Entering Students

Students who have attended the University at some former time but not during the session immediately prior to the time they plan re-entry are expected to advance register during the periods outlined in the Registration Calendar. After completing readmission procedures (Admissions Office for undergraduate students and Graduate School for graduate students) advisement appointments should be made at the advisement offices of the academic units into which the students are entering and clearance of the registrations should be completed on that same day at the Registration Center.

Current Students, Carbondale Campus

Students currently registered in the University will be continued in their present curricula unless a change of college or major is made. A change of college or major area of concentration is initiated with the student's adviser. Either change should be made at the time of advisement.

Undergraduate students currently registered in the University will schedule appointments with their adviser. Registrations should be processed through the Registration Center as soon after advisement as possible.

Graduate students in a degree program should make appointments with the departmental adviser for program advisement. Unclassified graduate students preparing for a degree program should contact the departmental adviser for pre-advisement. Unclassified graduate students in other categories may report directly to the Graduate School for registration procedure. Unclassified students who are planning to take qualifying courses must report those courses to the Graduate Admissions office *before* registering each quarter.

Current Students, Edwardsville Campus

Undergraduate students attending the Edwardsville Campus who plan to attend the Carbondale Campus must initiate their registration process by presenting to the Admissions Office at Carbondale either an official transcript of their University record or a letter of good standing from the registrar at the Edwardsville Campus. The reason for reporting to the Admissions Office is to permit the necessary coding changes to be made so that pertinent information about their academic programs, etc., can be up-dated to reflect the change of campus. Graduate students report first to the Graduate School.

Payment of Fees

Undergraduate students receive their fee statements at the time of registration. During the advance registration period students are asked to delay paying their fees in person at the Bursar's Office until the day following registration. This is to permit necessary fee information to reach the Bursar by the time of fee payment. Students will find it easier simply to mail the fee statement along with a check or money order for the proper monetary amount to the Bursar's Office so as to arrive there by the deadline dates which are stated in the Registration Calendar located earlier in this bulletin. If students pay fees in person at the Bursar's Office they receive a Certificate of Registration at that time. When fees are paid by mail the Certificate will be mailed to the address given by the student on the back of his fee statement. Students will receive their printed schedule of classes within one week after the cancellation date. It is important that these forms be carried by the students at all times.

Undergraduate students registering at the start of a quarter must pay fees at the time of registration.

Graduate students receive their fee statements by mail and must clear their fees at the Bursar's Office by 4:00 P.M. on July 2.

Fees for A Regular Quarter

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Undergraduate students pay the following regular fees:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	$22.00	$45.00	$67.00
Tuition Fee—Out of State Resident	(69.00)	(137.00)	(206.00)
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
Total—Illinois Resident	$41.50	$79.50	$115.50
Total—Out of State Resident	(88.50)	(171.50)	(254.50)

Students who register for a course for "Audit" or for a non-

credit course will be assessed fees according to the imputed hours of that course. "Imputed hours" is generally the number of hours the class meets per week.

Graduate students do not rent their textbooks and do not pay the book rental fee. They must purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status.

The activity fee is prorated according to the number of hours carried. Health Service benefits vary according to the amount paid. In certain instances graduate assistants, research assistants, graduate fellows, or students on fee code 27 may seek permission from the health service to pay the full activity fee even though they are only part time students. Written consent from the Health Service must be presented at the time of registration so that the student may be properly assessed.

Late Registration

A late registration fee will be charged any undergraduate student registering after the first day of the quarter. Graduate students will not be charged a late fee if they register within the period indicated in the Registration Calendar.

Auditing of Courses

Students may register for courses in an "audit" status. They receive no letter grade and no credit for such courses. An auditor's registration must be marked accordingly. They pay the same fees as though they were registering for credit. They are expected to attend regularly and are to determine from the instructor the amount of work expected of them. If auditing students do not attend regularly, the instructor may determine that the students should not have the audited courses placed on their record cards maintained in the Registrar's Office. Students registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter. Such a change will require the student's academic dean's approval.

Program Changes

Students are officially registered only for those courses appearing on their schedule of classes. Any change therefrom can be made only after fees are paid and must be made through an official program change, which includes the following steps:

1. Initiating the change.
   Students report to their advisers for approval and Program Change form completion. Graduate students must also secure approval from the Graduate School. If the change involves only that of changing sections within the same course, this may be done at the Registration Center without the necessity of securing adviser approval.
2. Registration.
   Students must take the program change form to the Registration Center after approval by the adviser.

Program changes which involve the adding of a new course to the schedule or the changing of sections must be done by the "last day to add a class" as indicated in the Registration Calendar.

Dropping a Course

A program change must be made in order to drop a course. A student may not drop merely by stopping attendance. The last date for dropping a course by an undergraduate student without receiving a letter grade is the last day of the fourth week of a quarter. Graduate students may not necessarily receive a grade for dropping after the fourth week. (Refer to Registration Calendar.)

Changing Fee Status

Students making program changes which result in their moving from one fee status to another will be assessed additional tuition and fees when appropriate. If the change is to reduce the academic load resulting in a lower tuition and fee status, students may apply for the appropriate tuition and fee refund provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar.

Withdrawing from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Registrar's Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter, except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed by Thursday, July 2.

A student who advance registers, including paying of fees, and then finds that he cannot attend school must also officially withdraw from school. He may do this either by reporting to the Registrar's Office in person or by writing to the Dean of Students Office. This must be done by the end of the first two weeks, if he expects to get a refund.

Cancellation of Registration

An advance registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Dean of Students.

Personal Data Changes

At the time of registration students are asked to review a Biographic Data Sketch containing personal data. Certain items, if in error, may be corrected at that time. Other items which may require some type of verifying evidence, are changed by reporting to the offices listed below.

1. Local Address Change. Housing Office, Graduate School, Registrar's Office, Registration Center, or VTI Office.
2. Names Changes, Marital Status Changes, Date of Birth Changes. Records section of the Registrar's Office. Verification is required.
3. Selective Service Data Changes or Information. Enrollment, Fiscal Reports, Registrar's Office.
4. Legal Residence Changes (whether an Illinois or out-of-state resident). Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

2 / Summer Workshops and Institutes

Child and Family

Family Guidance through Community Services (Child and Family 408–2) July 6–17, Monday through Friday, 11:30–1:20. An orientation to various state and private agencies, religious and service organizations, and the services they offer to aid families who need help in the areas of physical and mental health, finances, crises (unwed mothers, child abuse, marital counseling, and foster placement). Students will also examine legislation as developed to support these programs. Techniques on how to refer families needing help will be developed. A field trip to children's day care residential facilities for the mentally ill and the retarded is planned. Instructor: Mrs. Melva Ponton.

Black American Child (Child and Family 408–2) June 22–July 3, Monday through Friday, 11:30–1:20. The major objective of this workshop is embodied in its title, with emphasis in understanding the influences of the black child's social and cultural environment. The workshop seeks to develop insight into the black child as a person, as a member of the family, school, and community. Other specific topics dealing with the black child will include the following: characteristics of the disadvantaged child, special problems and needs, influences of poverty on child relationships, economic influences upon children's learning and motivation, and other areas of group interest. Lectures, films, guest speakers, and readings will constitute the major segments of the program. Instructor: Mr. Michael Zunich.

Economics

Workshop in Economic Education. (Economics 490–4 or Elementary or Secondary Education 490). Designed to assist elementary and secondary school teachers in promoting economic understanding in the minds of their students through the translation of economic principles and problems into classroom teaching materials.

Educational Administration and Foundations

Aerospace Education Workshop (See Secondary Education) June 22–July 10.

Curriculum (Educational Administration and Foundations 560–4) July 13–31, Monday through Friday, 1:30–4:20. Special

consideration will be given to the major factors which affect the scope, content, and quality of curricula in our schools. Curriculum improvement as a process will be studied in the context of the impact of federal funding, and the influence of research and selected innovations on school organization and instructional procedures. Several curriculum specialists will be available as resource personnel during the workshop.

Family Economics and Management

Consumer Education Workshop: Economic Concepts. (Family Economics and Management 407–2, section 1) July 6–17, Monday through Friday, 9:30–11:20. Economic concepts which influence the use of family resources to obtain the desired level of living will be explored as will types of income which families desire to receive. Special emphasis will be given to those economic concepts which affect consumer choices in the marketplace. Concepts to be included are satisfaction, utility, wealth, resources, family capital, saving, scarcity, and waste. This workshop should help develop further insight into maximum satisfaction from use of resources for those working in consumer education programs, particularly those using a team approach to consumer education. Instructor: Mrs. Karen Craig.

Consumer Education Workshop: The Low Income Consumer (Family Economics and Management 407–2, section 2) July 6–17, Monday through Friday, 1:30–3:20. Application of economic and educational concepts to problems of consumers with limited resources. The workshop seeks to develop insight into the choices consumers with limited incomes must make and to suggest ways of increasing competency in choice making. Instructor: Miss Betty Jane Johnston.

Food and Nutrition

School Lunch Program (Food and Nutrition 247–2) June 15–19, Monday through Friday, 9:00–4:00. Lecture, discussion, and demonstration of quantity food production, menu planning, principles of nutrition, institutional equipment, record keeping, sanitation, principles of merchandising, and principles of administration as they apply to the school lunch personnel. Instructor: Miss Henrietta Becker.

Health Education

Workshop in Driver Education and Traffic Safety (Health Education 415s–4) July 13–August 7. For pre-service and in-service teachers of driver and traffic safety education. Individual and group problems will be treated. Lectures on selected subjects and individually supervised research in special problem areas. Emphasis to be placed upon new curriculum materials.

Workshop in Health Education (Health Education 461–4, 462–4, 463–4) June 22–July 17, Monday through Friday, 1:20–4:40

Directed toward translation of health concepts into teaching materials and approaches. Focal concept: "There are Reciprocal Relationships Involving Man, Disease, and Environment." This to be developed through specific consideration of ecology, various forms of present pollution, respiratory disease, alcoholism, mental illness, and overpopulation as a disease concept.

Home Economics Education

Wage Earning Programs (Home Economics Education 507–4, section 1) June 22–July 17, Monday through Friday, 7:30–9:20. Teacher preparation for planning, offering, and evaluating marketable skills for secondary school and adult levels in home economics related jobs. Instructor: Miss Anna Carol Fults.

Home Economics Related Occupations (Home Economics Education 507–4, section 2) June 22–July 3 or July 6–17, Monday through Friday, 9:30–11:20. Occupational programs in operation as preparation for wage earning at the secondary and adult levels with emphasis on low-income disadvantaged in rural areas and inner cities.

Concepts and Generalizations (Home Economics Education 507–4, section 3) July 20–August 14, Monday through Friday, 7:30–9:20. Development of a better understanding of the concept-generalization approach in home economics teaching. Practice of techniques and preparation of curriculum materials for use in varied situations. Instructor: Miss Dorothy Keenan.

Program Planning for Vocational Home Economics. (Home Economics Education 507–4, section 4) July 20–31, Monday through Friday, 9:30–11:20. Projecting program plans and developing curriculum materials to meet the requirements of Home Economics programs according to the 1969 state plan for the administration of vocational and technical education in Illinois. Attention will be given to the evaluation of consumer and homemaking programs. Instructor: Miss Anna Carol Fults.

Music

Opera Workshop (Music 346–12 or 568–12) June 22–July 31 at Harmony Hills Ranch, Hot Springs, Arkansas. Marjorie Lawrence, Director.

Summer Music Theater (Music 347–12 or 568–12) June 15–August 31. William Taylor, Director.

Electronic Music in Secondary Schools (Music 499–3 Independent Study) June 22–July 3 or July 20–August 1. Will Gay Bottje, Director.

Choral Clinic (Music 453–3 Choral Materials and Techniques) June 28–July 2, Donald Craig, Clinician.

Band Instrument Repair (Music 420–3 Music Education Practicum) July 6–17, Woodrow Maloney, Clinician.

Contemporary Music in the School (Music 483–2 Readings in Music Education) July 6–17, Will Gay Bottje, Director.

Music and Youth at Southern (High School Music Camp) July 5–18, Mel Siener, Director.

Physical Education

Workshop in Gymnastics for Women (Physical Education 415–4). An intensive course for undergraduates and graduates in techniques and theory of teaching, coaching, judging official performances, conducting gymnastic meets, clinics and demonstrations. Attention is given to advanced study of teaching and spotting and the analysis of performance. Teacher: Mr. Herb Vogel.

Psychology

Theory and Practice in the Preschool (Psychology 459–4). For those who are preparing for or who are engaged in preschool education. Examines a variety of topics and provides lectures, demonstrations, and practicum experience in the Child Study Cooperative Nursery. It will be offered on an eight-week basis. Prerequisite: consent of instructor.

Advanced Psychopathology (Psychology 531–4). Eight weeks. This is the Anna Summer Program course for clinical graduate students.

Advanced Seminar (Psychology 595–4). Eight weeks.

Secondary Education

Aerospace Education Workshop (Secondary Education 402–4) June 22–July 10, Monday through Friday, 1:30–4:20. Besides a consideration of the technological impact the aerospace age has made upon our social order, special emphasis will be placed on how to incorporate aerospace knowledge and resources into existing curricula at the elementary, secondary, and junior-college levels. In-service education techniques will include analytical study of resources, one educational field trip via airlift, the critique of selected lectures, and participation in curriculum development projects.

Special Education

Learning Disorders (Special Education 518A–4, section 1) June 22–August 8. Presents a review of the works of Myklebust and Johnson, Kirk, Strauss and Lehtinen, Kephart, Cruickshank, and Frostig. Opportunities for the directed practice of administration of standard tests of learning disabilities in local, school programs provided. Prerequisite: 411 or concurrent and consent of instructor. Instructor: Dr. Lee Joiner.

Note: A limited number of fellowships are provided to Illinois teachers who will be working with learning disabled children in the fall of 1970 and who are enrolled full time in summer courses leading to approval to teach these children.

Psycho-Cultural Problems in the Education of Mexican-American, Behavioral Disordered Children (Special Education 518A–4, section 2) June 22–August 9. The workshop is an integral part of a summer institute which includes Sp.E. 580A, Seminar in Education of Maladjusted Children and F.L. 140, Conversational Spanish. Spanish speaking students will enroll in Sp.E. 496, Readings and Independent Study in Special Education in lieu of the language course.

The institute is co-sponsored by the Bureau of Education for the Handicapped of the U.S. Office of Education and is designed specifically for teachers who work with a high percentage of Mexican-American, maladjusted children. The workshop will feature a number of consultants whose expertise is in this area. Both the Mexican-American and the Mexican cultural systems will be studied. Therefore, a large part of the institute period will be spent in Jalapa, Mexico, where classes will be held at the University of Veracruz in cooperation with Mexican faculty. Prerequisite: consent of instructor. Instructor: Dr. James Crowner.

Note: A limited number of fellowships will be provided to qualified teachers from throughout the United States.

Arithmetic for the Mentally Retarded (Special Education 518B–4, section 1) June 22–August 8, Monday and Wednesday, 2:00–4:30. Single concept lessons in the area of clock time will be discussed. These materials have been developed for mentally retarded classes. Participants will evaluate these lessons and revise them. Particular emphasis will be placed on the learning characteristics of the mentally retarded: short term retention, transfer, and attention. An evaluation procedure will be developed to assist teachers in determining the level of understanding these children are at in this area. Prerequisite: At least one year of actual teaching with retarded and consent of instructor. (limited to twenty students) Instructors: Mr. Dan Rainey and Dr. Wyatt Stephens.

Educational Rhythmics for Mentally Retarded Children (section 2) August 10–22. An intensive examination of the use of rhythmics to improve the physical and mental performance of retarded children, particularly those classified as "trainable." Ferris and Jannet Robins, of Zurich, Switzerland, creators of "Educational Rhythmics," will demonstrate their techniques and special consultants will be asked to react—from their own frame of reference (e.g.-testing, classroom methods, physical education, etc.). The workshop will be held at the Warren G. Murray Center in Centralia, Illinois whose population of trainable retarded children will serve as a study group for demonstration. The Instructional Materials Center for Handicapped Children and Youth of the Illinois Office of the Superintendent of Public Instruction and the Illinois Department of Mental Health are working with the University in

co-sponsoring the workshop. Prerequisite: Consent of instructor. Instructor: Dr. Wyatt Stephens.

Vocational Business Education Workshop

August 20 and 21. Presented for in-service and pre-service teachers of Office Occupations and Distributive Education. Demonstrations and presentations by specialists in Vocational Education, Vocational Guidance, and Business. Meeting instructional needs of academically deprived, block-time teaching, and simulation will be emphasized.

3 / Schedule of Classes

Listing of Courses

Courses which students are to take to meet the General Studies requirements are listed in the front part of the Schedule of Classes. These courses are listed by the area which they satisfy and within the area by course number and section number.

Departments in which courses are being offered are listed in alphabetical order. Courses within each department are listed in order by course number and section number.

Course Numbers and Hours

The line containing this information shows the number of the course first, followed by the short title and number of hours of credit. Course numbers are three-digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number.

In a variable-hour course the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

000–099	Course not properly in the following categories
100–199	For freshmen
200–299	For sophomores
300–399	For juniors and seniors
400–499	For seniors and graduate students
500–600	For graduate students only

Prerequisite

The prerequisite column lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the number.

Section Number, Time, and Days

The section number is indicated in the first column. The times given indicate the beginning and ending of each class period. Students registering for courses listed as "to be arranged" may obtain times and days from instructor indicated or, if no instructor is listed, from the department chairman offering the course.

Building and Room Number

The following list of building abbreviations will help in the location of classrooms. Buildings are listed alphabetically according to the code used in the class schedule. Temporary buildings are indicated in the schedule by a four digit number.

If a building contains more than one classroom, then the number of the room follows the building's code name.

CODE: BUILDING NAME

ABBOTT: Abbott Hall (T.P.)
AG: Agriculture Building
ALLYN: Allyn Building
ALTG: Altgeld Hall
ARENA: SIU Arena
BAILEY: Bailey Hall (T.P.)
BOAT: Boat Dock
BROWN: Brown Hall (T.P.)
CL: General Classroom Building
COMM: Communications Building
FELTS: Felts Hall (T.P.)
GYM: Gymnasium
HDBALL: Handball Courts
H EC: Home Economics Building
LAWSON: Lawson Hall
LAKE: Lake on the Campus
LIB: Morris Library
LG: Little Grassy Lake
LS 1: Life Science Building
L-APS: Physical Plant
OBF: Old Baptist Foundation
PARK: Parkinson Building

CODE: BUILDING NAME

PHY SA: Physical Science Building A
PHY SC: Physical Science Building C
PIERCE: Pierce Hall (T.P.)
PULL: Pulliam Hall (University School)
PULL I: Pulliam Hall (Industrial Education Wing)
PULL P: Pulliam Hall (Physical Education Wing)
SHRY: Shryock Auditorium
STAD: McAndrew Stadium
TECH A: Technology Building A
TECH B: Technology Building B
TECH D: Technology Building D
TENNIS: Tennis Courts
U CTR: University Center
WARREN: Warren Hall (T.P.)
WHAM: Wham Education Building
WHLR: Wheeler Hall

Temporary Buildings

CODE	LOCATION	CODE	LOCATION
0403	1009 S. Forest	0483	1002 S. Elizabeth ....
0412	907 S. Forest	0485	1006 S. Elizabeth ....
0415	807 S. Forest	0487	1010 S. Elizabeth ....
0429	1009 S. Elizabeth	0551	CESL .....
0431	1007 S. Elizabeth	0552	CESL .....
0432	1005 S. Elizabeth	0685	506 S. Graham .....
0436	908 S. Forest	0686	511 S. Graham .....
0437	904 S. Forest	0701	801 S. Washington ..
0438	900 S. Forest	0720	Corner of Washington and Park St. .....
0442	903 S. Elizabeth	0721	East of 0720 on Park St. .....
0448	814 S. Forest	0725	207 E. Pearl .....
0451	810 S. Forest	0742	204 E. Park .....
0452	808 S. Forest	0744	208 E. Park .....
0453	806 S. Forest	0809	South of President's Office .....
0461	811 S. Elizabeth		
0465	804 S. Elizabeth		
0481	910 S. Elizabeth		

0831 Farm Machine Shop—Between Physical Science & Forestry buildings.
0832 Journalism—Between Physical Science & Forestry buildings.
0833 Journalism Annex—Between Physical Science & Forestry buildings.

0834 Cinema & Photography—Between Physical Science & Forestry buildings.
0842 Bot-Zool lab.—General Studies—West of Ag. building's North wing.
0843 Bot-Zool lab.—General Studies—West of Ag. building's North wing.
0857 Design Main Office—East of Comm. building on Campus Drive.
0861 General Classrooms—Southeast of Comm. building on Campus Drive.
0862 General Classrooms—Southeast of Comm. building on Campus Drive.
0864 Zoology Annex 2—Northwest of Ag. building's North wing.
0865 Zoology Annex—Northwest of Ag. building's North wing.
0871 General Classrooms—Southeast of Comm. building on Campus Drive.
0875 General Classrooms—Southeast of Comm. building on Campus Drive.
0889 901 West Chautauqua.

Explanation of Entries

The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the short title and the number of quarter hours of credit.

Second Line: The prerequisite (if applicable).

Section-Number Lines: The first column lists section numbers for courses offered. Following each section number are the time the class begins and the time it ends. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

CHEDULE OF GENERAL STUDIES COURSES

COURSE & ECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)				
01A	INTRC-PHYS SCIENCE		C4.C CR	
1	10.30-11.20	MT THF	PARK 124	
2	11.30-12.20	MTWTH	LAWSON 121	
	(SPACE)			
3	12.30-01.20	WTHF	PARK 124	
	01.30-03.20	M	PHY SC 405	
4	12.30-01.20	WTHF	PARK 124	
	08.30-10.20	T	PHY SC 405	
5	12.30-01.20	WTHF	PARK 124	
	10.30-12.20	T	PHY SC 405	
6	12.30-01.20	WTHF	PARK 124	
	01.30-03.20	M	PHY SC 405	
7	12.30-01.20	WTHF	PARK 124	
	08.30-10.20	TH	PHY SC 405	
8	12.30-01.20	WTHF	PARK 124	
	10.30-12.20	TH	PHY SC 405	
9	12.30-01.20	WTHF	PARK 124	
	10.30-12.20	M	PHY SC 405	
10	12.30-01.20	WTHF	PARK 124	
	10.30-12.20	M	PHY SC 405	
01B	INTRC-PHYS SCIENCE		C4.0 CR	
1	08.30-09.20	M W F	LAWSON 121	
10A	EARTH ENVIRONMENT		04.0 CR	
1	11.30-12.20	TW F	LAWSON 171	BERTONI
	TO BE ARRANGED			
2	01.30-02.20	TW F	LAWSON 171	
	TO BE ARRANGED			

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110B  EARTH ENVIRONMENT                    C4.0 CR
    1    12.30-01.20      MT TH    LAWSON  171  HARRIS STANLEY E
         TO BE ARRANGED
201A  INTRODUCT BIOLOGY                    C4.0 CR
      PREREQ   GSA FIRST LEVEL CR CHEM 110 CR
               111
    1    08.30-09.20      M W  F   LAWSON  161
         07.30-09.20        T      0842    108
    2    08.30-09.20      M W  F   LAWSON  161
         09.30-11.20        T      0842    108
    3    08.30-09.20      M W  F   LAWSON  161
         12.30-02.20        T      0842    108
    4    08.30-09.20      M W  F   LAWSON  161
         09.30-11.20          W    0842    108
    5    08.30-09.20      M W  F   LAWSON  161
         01.30-03.20          W    0842    108
    6    08.30-09.20      M W  F   LAWSON  161
         07.30-09.20          TH   0842    108
    7    08.30-09.20      M W  F   LAWSON  161
         09.30-11.20          TH   0842    108
    8    08.30-09.20      M W  F   LAWSON  161
         01.30-03.20          TH   0842    108
201B  INTRODUCT BIOLOGY                    C4.0 CR
      PREREQ   GSA 201A
    1    08.30-09.20        T TH   LAWSON  161
         07.30-09.20      M W      0843    104
    2    08.30-09.20        T TH   LAWSON  161
         09.30-11.20      M W      0843    104
    3    08.30-09.20        T TH   LAWSON  161
         12.30-02.20      M W      0843    104
    4    08.30-09.20        T TH   LAWSON  161
         02.30-04.20      M W      0843    104
    5    08.30-09.20        T TH   LAWSON  161
         09.30-11.20        T TH   0843    104
    6    08.30-09.20        T TH   LAWSON  161
         12.30-02.20        T TH   0843    104
    7    08.30-09.20        T TH   LAWSON  161
         02.30-04.20        T TH   0843    104
210A  INTRO ENVIRON BIOL                   04.0 CR
      PREREQ   GSA 110 OR CHEM 115
    1    09.30-10.20      M W  F   LAWSON  161  PETERSEN
         07.30-08.20      M        0843    102
    2    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         01.30-02.20      M        0843    102
    3    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         11.30-12.20      M        0843    102
    4    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         07.30-08.20        T      0843    102
    5    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         09.30-10.20        T      0843    102
    6    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         11.30-12.20        T      0843    102
    7    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         01.30-02.20        T      0843    102
    8    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         03.30-04.20        T      0843    102
    9    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         12.30-01.20          TH   0843    102
   10    09.30-10.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         02.30-03.20          TH   0843    102
210B  INTRO ENVIRON BIOL                   C4.0 CR
      PREREQ   GSA 110 OR CHEM 115
    1    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         07.30-08.20          TH   0843    102
    2    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         09.30-10.20          TH   0843    102  PETERSEN BRUCE W
    3    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         11.30-12.20          TH   0843    102
    4    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         08.30-09.20            F  0843    102
    5    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
         09.30-10.20            F  0843    102
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   6    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
        11.30-12.20           F   0843    102
   7    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
        02.30-03.20      M        0843    102
   8    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
        03.30-04.20      M        0843    102
   9    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
        12.30-01.20       T       0843    102
  10    10.30-11.20      M W  F   LAWSON  161  PETERSEN BRUCE W
        02.30-03.20       T       0843    102
301  PRIN OF PHYSIOLOGY                C4.0 CR
   1    09.30-10.20      M W  F   LAWSON  151
        07.30-09.20      M        LS I    117
   2    09.30-10.20      M W  F   LAWSON  151
        07.30-09.20       T       LS I    117
   3    09.30-10.20      M W  F   LAWSON  151
        07.30-09.20         W     LS I    117
   4    09.30-10.20      M W  F   LAWSON  151
        07.30-09.20          TH   LS I    117
   5    09.30-10.20      M W  F   LAWSON  151
        07.30-09.20           F   LS I    117
   6    09.30-10.20      M W  F   LAWSON  151
        01.30-03.20      M        LS I    113
   7    09.30-10.20      M W  F   LAWSON  151
        01.30-03.20       T       LS I    113
   8    09.30-10.20      M W  F   LAWSON  151
        01.30-03.20         W     LS I    113
303  WILD FLOWERS                      C3.0 CR
   1    09.30-10.20       T       LS I    323  UGENT
        08.30-12.20      M        LS I    307  EVANS
   2    09.30-10.20       T       LS I    323  UGENT
        08.30-12.20         W     LS I    307  EVANS
   3    09.30-10.20       T       LS I    323  UGENT
        08.30-12.20           F   LS I    307  KESER
   4    09.30-10.20       T       LS I    323     UGENT
        08.30-12.20          TH   LS I    307  HOFFMAN
312  CONS OF NATURAL RES               C3.0 CR
   1    07.30-08.20      M W  F   LAWSON  161  KRULL
313  EVOLUTION                         C3.0 CR
     PREREQ   ONE YEAR OF BIOLOGY
   1    08.30-09.20      M W  F   WHAM    105  STAINS HOWARD JAMES
314  MANS GEN HERITAGE                 C3.0 CR
   1    08.30-09.20      MTW      LAWSON  131  ENGLERT
321  INTRO PALEONTOLOGY                C3.0 CR
   1    12.30-01.20         W  F   LAWSON  101  UTGAARD JOHN EDWARD
        08.30-10.20      M        PARK    107
   2    12.30-01.20         W  F   LAWSON  101  UTGAARD JOHN EDWARD
        10.30-12.20      M        PARK    107
   3    12.30-01.20         W  F   LAWSON  101  UTGAARD JOHN EDWARD
        01.30-03.20       T       PARK    107
   4    12.30-01.20         W  F   LAWSON  101  UTGAARD JOHN EDWARD
        03.30-05.20       T       PARK    107
322  INTR TO ROCKS + MIN               C3.0 CR
   1    07.30-08.20       T TH    AG      214  BELL FRANK J
        08.30-10.20         W     AG      171
   2    07.30-08.20       T TH    AG      214  BELL FRANK J
        10.30-12.20         W     AG      171
   3    07.30-08.20      M W      AG      214  BELL FRANK J
        12.30-02.20         W     AG      171
   4    07.30-08.20      M W      AG      214  BELL FRANK J
        02.30-04.20         W     AG      171
   5    07.30-08.20      M W      AG      214
        04.30-06.20         W     AG      171
331  CLIMATE                           C3.0 CR
   1    08.30-09.20      M W      LAWSON  141
        08.30-09.20           F   0483    101
   2    08.30-09.20      M W      LAWSON  141
        08.30-09.20           F   AG      224
   3    08.30-09.20      M W      LAWSON  141
        09.30-10.20           F   0483    101
   4    08.30-09.20      M W      LAWSON  141
        10.30-11.20           F   0483    101
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* June 22—August 14

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    5    08.30-09.20      M W        LAWSON   141
         11.30-12.20           F     0483     101
    6    08.30-09.20      M W        LAWSON   141
         09.30-10.20           F     AG       224
    7    08.30-09.20      M W        LAWSON   141
         10.30-11.20           F     AG       188
    8    08.30-09.20      M W        LAWSON   141
         11.30-12.20           F     AG       188
340  ECOLOGY                          03.0 CR
    1    10.30-11.20      MT TH      AG       166  WUNDERLE
358A ANAL OF PHYS SYSTEM              03.0 CR
      PREREQ   1ST LEVEL GSA + MATH 111A+B
    1    03.30-04.20       T TH      TECH A   222
         01.30-03.20       T         TECH C   122
    2    03.30-04.20       T TH      TECH A   222
         01.30-03.20         TH      TECH C   122
358B ANAL OF PHYS SYSTEM              03.0 CR
      PREREQ   GSA 358A
    1    12.30-01.20       T TH      TECH A   208
         01.30-03.20         TH      TECH B   139
    2    12.30-01.20       T TH      TECH A   208
         01.30-03.20       T         TECH B   139
361  ACOUSTICS OF MUSIC               03.0 CR
    1*   01.30-02.20      M WTHF     LAWSON   141     GORDON RODERICK
363A PHIL OF SCIENCE                  03.0 CR
      PREREQ   1ST LEV SEQ CR ITS EQUIV IN
               AREA A
    1    10.30-11.20      M W  F     LAWSON   131  CLARKE DAVID S
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General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)

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100A WESTERN TRADITION                03.0 CR
    1    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         09.30-10.20      M          H EC     104
    2    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         10.30-11.20       T         H EC     208
    3    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         11.30-12.20        W        H EC     206
    4    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         12.30-01.20         TH      H EC     118
    5    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         01.30-02.20           F     H EC     118
    6    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         02.30-03.20      M          H EC     120
    7    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         08.30-09.20       T         H EC     104
    8    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         09.30-10.20         TH      H EC     118
    9    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         10.30-11.20           F     H EC     104
   10    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         11.30-12.20      M          WHAM     319
   11    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         12.30-01.20        W        H EC     120
   12    07.30-08.20      M W  F     LAWSON   171  MCFARLIN
         01.30-02.20         TH      H EC     118
100B WESTERN TRADITION                03.0 CR
      PREREQ   100A
    1    09.30-10.20       T THF     LAWSON   171     DETWILER
         08.30-09.20        W        H EC     122
    2    09.30-10.20       T THF     LAWSON   171  DETWILER
         09.30-10.20      M          H EC     122
    3    09.30-10.20       T THF     LAWSON   171  DETWILER
         10.30-11.20        W        WHAM     303
    4    09.30-10.20       T THF     LAWSON   171  DETWILER
         11.30-12.20       T         H EC     122
    5    09.30-10.20       T THF     LAWSON   171     DETWILER
         12.30-01.20         TH      H EC     206
    6    09.30-10.20       T THF     LAWSON   171     DETWILER
         01.30-02.20           F     WHAM     312
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102A	MAN AND HIS WORLD			04.0	CR	
1	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	07.30-08.20	TH	H EC	306		
2	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	08.30-09.20	TH	H EC	306		
3	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	09.30-10.20	TH	H EC	306		
4	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	10.30-11.20	TH	H EC	306		
5	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	11.30-12.20	TH	H EC	306		
6	11.30-12.20	M W F	LAWSON	151	WALKER	
	12.30-01.20	TH	H EC	306		
7	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	01.30-02.20	TH	H EC	306		
8	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	02.30-03.20	TH	H EC	306		
9	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	07.30-08.20	F	H EC	306		
10	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	08.30-09.20	F	H EC	306		
11	11.30-12.20	M W F	LAWSON	151	WALKER MALCOLM T	
	09.30-10.20	F	H EC	306		
12	11.30-12.20	M W F	LAWSON	151	WALKER	
	03.30-04.20	TH	H EC	306		
102B	MAN AND HIS WORLD			04.0	CR	
1	07.30-09.20	M W	COMM	1018		
2	07.30-09.20	M W	COMM	1021		
3	07.30-09.20	M W	COMM	1022		
4	07.30-09.20	M W	H EC	102		
5	07.30-09.20	M W	H EC	118		
6	09.30-11.20	M W	COMM	1018		
7	09.30-11.20	M W	COMM	1021		
8	09.30-11.20	M W	COMM	1022		
9	09.30-11.20	M W	H EC	102		
10	09.30-11.20	M W	H EC	118		
11	11.30-01.20	M W	COMM	1018		
12	11.30-01.20	M W	COMM	1021		
13	11.30-01.20	M W	COMM	1022		
14	11.30-01.20	M W	H EC	102		
15	11.30-01.20	M W	H EC	118		
16	01.30-03.20	M W	COMM	1018		
17	01.30-03.20	M W	COMM	1021		
18	01.30-03.20	M W	COMM	1022		
19	01.30-03.20	M W	H EC	102		
20	01.30-03.20	M W	H EC	118		
101B	SOCIETY + BEHAVIOR			04.0	CR	
1	07.30-08.20	TWTHF	0875	102		
2	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	07.30-08.20	W F	H EC	202		
3	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	07.30-08.20	W F	0875	101		
4	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	08.30-09.20	W F	0862	101		
5	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	11.30-12.20	W F	H EC	202		
6	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	11.30-12.20	W F	0875	102		
7	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	12.30-01.20	W F	0875	102		
8	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	12.30-01.20	W F	0875	101		
9	09.30-10.20	T TH	LAWSON	161	PATTERSON EDGAR I	
	01.30-02.20	W F	WHAM	208		
10	12.30-01.20	TWTHF	0861	101		
11	03.30-04.20	MTWTH	WHAM	326		
101C	SOCIETY + BEHAVIOR			04.0	CR	
1	08.30-09.20	M W	AG	216	SCHMECK	
	07.30-09.20	TH	AG	222		
2	08.30-09.20	M W	AG	216	SCHMECK	
	07.30-09.20	F	AG	222		

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     3    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          07.30-09.20         TH      AG      116
     4    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          09.30-11.20         TH      AG      222
     5    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          11.30-01.20         TH      AG      116
     6    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          01.30-03.20         TH      LAWSON  121
     7    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          07.30-09.20           F     AG      214
     8    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          09.30-11.20           F     AG      214
     9    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          11.30-01.20           F     AG      116
    10    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          01.30-03.20           F     AG      116
    11    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          09.30-11.20         TH      AG      188
    12    10.30-11.20      M W        LAWSON  141  CARRIER NEIL ALAN
          11.30-01.20         TH      AG      168
211A  POLITICAL ECONOMY                  C4.0 CR
     1    08.30-09.20      MTWTH      LAWSON  171
211B  POLITICAL ECONOMY                  C4.0 CR
     1    07.30-08.20       TWTHF     WHAM    228
     2    08.30-09.20       T TH      TECH A  222
          08.30-09.20        W  F     CL      326
     3    09.30-10.20      M  TH      AG      220
          09.30-10.20       T   F     TECH A  322
     4    10.30-11.20      MTW        WHLR    107
          10.30-11.20           F     AG      224
     5    11.30-12.20      MTWTH      WHAM    201
     6    12.30-01.20      MTWTH      WHAM    208
     7    01.30-02.20      MTWTH      WHAM    228
300A  UNITED STATES HIST                 C3.0 CR
     1    11.30-12.20      M W  F     LAWSON  161      ADAMS
300B  UNITED STATES HIST                 C3.0 CR
     1    10.30-11.20      MT TH      LAWSON  171      WERLICH
300C  UNITED STATES HIST                 C3.0 CR
     1    01.30-02.20       T THF     LAWSON  161      MURPHY
302   LAW CIVIL RIGHTS                   C3.0 CR
     1    08.30-09.20       T THF     H EC    203  GREGORY
303   INTERNATIONAL REL                  C4.0 CR
     1    08.30-09.20      MT THF     WHAM    112  ABBASS
     2    10.30-12.20      M W        PULL     38  PAINE
     3    01.30-02.20      MT THF     LAWSON  221  CARR
312   COMPAR ECON SYSTEMS                C3.0 CR
       PREREQ   GSB 211A CR 215
     1    11.30-12.20       TW  F     WHAM    210
321   SOCIALIZAT OF INDIV                C3.0 CR
     1    07.30-08.20      M W  F     H EC    206  GASTON
325   RACE + MIN RELATION                C3.0 CR
     1    08.30-09.20      M W        H EC    104  BROOKS
          08.30-09.20           F     H EC    102
331   AMER ED SYSTEM                     C3.0 CR
     1    07.30-08.20      M W  F     WHAM    321
     2    08.30-09.20      M W  F     WHAM    321
     3    09.30-10.20      M W  F     WHAM    321
     4    10.30-11.20      M W  F     WHAM    321
     5    11.30-12.20      M W  F     WHAM    328
     6    12.30-01.20      M W  F     WHAM    326
     7    01.30-02.20      M W  F     WHAM    321
345   INTR TO AM FGN POL                 C3.0 CR
     1    02.30-03.20      M W  F     WHAM    317  LANDECKER
361   FUND OF DECIS MAKE                 C3.0 CR
       PREREQ   MATH 111-10 A+B CR GSD 108A +B
     1    11.30-12.20      M W  F     TECH A  111
385   CONTEMP POL ISMS                   C3.0 CR
     1    09.30-10.20      M W  F     0871    102  STAUBER
390   INTR TO COMP GOVT                  C4.0 CR
     1    11.30-12.20      MT THF     WHAM    112  STAUBER
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General Studies Area C—Man's Insights and Appreciations (GSC)

100	MUSIC UNDERSTANDING			C3.0 CR		
1	10.30-11.20	M W F		WHAM	105	NADAF
2	11.30-12.20	M W F		LAWSCN	141	POULCS+ECDINS
101	ART APPRECIATION			C3.0 CR		
1	01.30-02.20	T TH		LAWSON	151	
	01.30-03.20	M		ALLYN	102	
2	01.30-02.20	T TH		LAWSCN	151	
	01.30-03.20	W		ALLYN	102	
3	01.30-02.20	T TH		LAWSON	151	
	10.30-12.20		F	ALLYN	102	
4	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20	M		ALLYN	102	
5	01.30-02.20	T TH		LAWSON	151	
	10.30-12.20	M		ALLYN	102	
6	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20	W		ALLYN	102	
7	01.30-02.20	T TH		LAWSON	151	
	10.30-12.20	W		ALLYN	102	
8	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20		F	ALLYN	102	
9	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20	T		ALLYN	102	
10	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20	TH		ALLYN	102	
11	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20	M		ALLYN	106	
12	01.30-02.20	T TH		LAWSON	151	
	10.30-12.20	M		ALLYN	106	
13	01.30-02.20	T TH		LAWSON	151	
	10.30-12.20	W		ALLYN	106	
14	01.30-02.20	T TH		LAWSON	151	
	07.30-09.20		F	ALLYN	106	
15	01.30-02.20	T TH		LAWSON	151	
	10.30-12.20		F	ALLYN	106	
102	PROB-MORAL DEC-PHIL			C3.0 CR		
1	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	02.30-03.20	W		H EC	120	
2	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	12.30-01.20	W		H EC	106	
3	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	01.30-02.20	W		H EC	201	
4	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	08.30-09.20	TH		WHAM	303	
5	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	10.30-11.20	TH		H EC	208	
6	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	12.30-01.20	TH		H EC	201	
7	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	01.30-02.20	TH		WHAM	303	
8	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	08.30-09.20		F	AG	220	
9	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	10.30-11.20		F	WHLR	214	
10	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	02.30-03.20	TH		H EC	208	
11	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	12.30-01.20		F	H EC	104	
12	10.30-11.20	M W		LAWSON	151	KELLY MATTHEW
	09.30-10.20		F	CL	326	
13	12.30-01.20	T TH		LAWSON	151	HOWIE
	10.30-11.20		F	LS I	323	
14	12.30-01.20	T TH		LAWSON	151	HOWIE
	01.30-02.20		F	H EC	208	
15	12.30-01.20	T TH		LAWSON	151	HOWIE
	08.30-09.20	T		WHLR	113	
16	12.30-01.20	T TH		LAWSON	151	HOWIE
	09.30-10.20	T		ABBOTT	129	
17	12.30-01.20	T TH		LAWSON	151	HOWIE
	03.30-04.20	TH		H EC	202	

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   18    12.30-01.20       T TH     LAWSON   151  HOWIE
         02.30-03.20         F      H EC     202
   19    12.30-01.20       T TH     LAWSON   151  HOWIE
         10.30-11.20       T        H EC     202
   20    12.30-01.20       T TH     LAWSON   151  HOWIE
         01.30-02.20         TH     WHLR     214
   21    12.30-01.20       T TH     LAWSON   151  HOWIE
         02.30-03.20         TH     WHLR     212
   22    12.30-01.20       T TH     LAWSON   151  HOWIE
         03.30-04.20         TH     H EC     104
   23    12.30-01.20       T TH     LAWSON   151  HOWIE
         08.30-09.20           F    H EC     104
   24    12.30-01.20       T TH     LAWSON   151  HOWIE
         09.30-10.20           F    H EC     201
103   WORLD LIT FOR COMP                 03.0 CR
       PREREQ   GSC 102 OR THE APPROPRIATE ACT
                SCORE
    1    07.30-08.20     M W  F     PULL      39
    2    08.30-09.20     M W  F     072C     103
    3    09.30-10.20     M W  F     072C     104
    4    09.30-10.20     M W  F     PARK     111
    5    10.30-11.20     M W  F     072C     104
    6    10.30-11.20     M    F     AG       22C
         10.30-11.20       W        H EC     104
    7    11.30-12.20     M W  F     PULL      39
    8    11.30-12.20     M          PULL      43A
         11.30-12.20       W  F     H EC     102
    9    12.30-01.20     M W  F     072C     104
   10    12.30-01.20     M W  F     WHAM     329
   11    01.30-02.20     M W  F     TECH A   308
   12    01.30-02.20     M W  F     LS I     323
   13    02.30-03.20     M W  F     PARK     204
200   ORAL INTERP OF LIT                 04.0 CR
    1    08.30-09.20     MTWTH      0875     102
    2    01.30-02.20     MT THF     0875     102
201   INTRO TO DRAMA                     03.0 CR
       PREREQ   GSC 103 OR EQUIV
    1    08.30-09.20     M          072C     103
         08.30-09.20       W  F     COMM    102C
    2    10.30-11.20     M W        PARK     309
         10.30-11.20           F    H EC     104
    3    12.30-01.20     M          072C     108
         12.30-01.20       T TH     072C     105
    4    01.30-02.20     M W  F     072C     105
    5    03.30-04.20     MT TH      H EC     201
202   INTRO TO POETRY                    03.0 CR
       PREREQ   GSC 103 OR EQUIV
    1    07.30-08.20     M W  F     072C     105
    2    10.30-11.20     MT TH      072C     105
    3    12.30-01.20     MT TH      H EC     104
    4    02.30-03.20     MT TH      072C     103
203   DRAMA-ARTS OF THEA                 03.0 CR
    1    10.30-11.20       T TH     LAWSON   141  GRAY
         12.30-01.20         TH     WHAM     305
    2    10.30-11.20       T TH     LAWSON   141  GRAY
         01.30-02.20         TH     WHAM     312
    3    10.30-11.20       T TH     LAWSON   141  GRAY
         02.30-03.20         TH     WHAM     312
    4    10.30-11.20       T TH     LAWSON   141  GRAY
         12.30-01.20           F    WHAM     307
    5    10.30-11.20       T TH     LAWSON   141  GRAY
         01.30-02.20           F    WHAM     303
    6    10.30-11.20       T TH     LAWSON   141  GRAY
         02.30-03.20           F    WHAM     303
204   MEANING IN VIS ARTS                04.0 CR
       PREREQ   GSC 101 OR CONSENT
    1    09.30-10.20     MT TH      LAWSON   131  PAULSON
205   MANS CONTEMP ENVIR                 04.0 CR
    1    08.30-10.20       T        LAWSON   171
         08.30-09.20         THF    LAWSON   171
206   FOUNDATIONS OF MUS                 04.0 CR
    1    07.30-08.20     MT THF     ALTG     116  INTRAVAIA+EDDINS
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207	PHIL OF BEAUTIFUL			C3.0 CR			
1	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	12.30-01.20		TH	H EC	202		
2	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	01.30-02.20		TH	H EC	202		
3	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	08.30-09.20		F	WHAM	112		
4	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	09.30-10.20		F	H EC	202		
5	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	08.30-09.20		T	H EC	202		
6	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	09.30-10.20		T	CL	326		
7	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	02.30-03.20		TH	H EC	201		
8	10.30-11.20		T TH	LAWSON	151	MCCLURE GEORGE T	
	10.30-11.20		F	COMM	102C		
208	LOGIC AND MEANING			04.0 CR			
1	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	09.30-10.20		M W	ABBOTT	129		
2	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	10.30-11.20		M W	WHAM	301B		
3	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	11.30-12.20		M W	PULL	41		
4	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	12.30-01.20		M W	LS I	16		
5	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	01.30-02.20		M	WHAM	301A		
	01.30-02.20		W	WHAM	301B		
6	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	09.30-10.20		T TH	COMM	101B		
7	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	10.30-11.20		T TH	H EC	122A		
8	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	11.30-12.20		T TH	H EC	208		
9	08.30-09.20		M W	LAWSON	151	MOORE	
	12.30-01.20		T TH	COMM	1022		
10	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	01.30-02.20		T TH	H EC	206		
11	08.30-09.20		M W	LAWSON	151	MOORE WILLIS	
	07.30-08.20		T TH	H EC	122		
12	08.30-09.20		M W	LAWSON	151	MOORE	
	09.30-10.20		W F	PHY SC	358		
209	MOD LIT FORM IDEA			C4.0 CR			
	PREREQ GSC 103 OR EQUIV						
1	07.30-08.20		MT THF	072C	103		
2	08.30-09.20		T TH	COMM	1021		
	08.30-09.20		M F	072C	114		
3	12.30-01.20		MT THF	072C	103		
4	02.30-03.20		MT THF	H EC	118		
210	INTRO TO FICTION			C3.0 CR			
1	07.30-08.20		M W F	H EC	104		
2	09.30-10.20		M	072C	105		
	09.30-10.20		W F	FELTS	130		
3	10.30-11.20		M W F	PULL	43A		
4	01.30-02.20		MT TH	072C	108		
5	02.30-03.20		T TH	H EC	203		
	02.30-03.20		M	072C	101		
312	PHIL-REL FAR EAST			C3.0 CR			
1	09.30-10.20		M F	H EC	206	LIU	
	09.30-10.20		W	WHAM	326		
317	RECENT AMER LIT			C3.0 CR			
	PREREQ GSC 103 OR EQUIV						
1	07.30-08.20		M W F	PULL	41		
2	07.30-08.20		M W F	072C	104		
3	08.30-09.20		M W F	BAILEY	13C		
4	10.30-11.20		M W F	BROWN	13C		
5	11.30-12.20		M W F	WHAM	321		
6	12.30-01.20		M	WHAM	228		
	12.30-01.20		WTH	072C	106		
7	01.30-02.20		M WTH	072C	106		
8	02.30-03.20		M W F	ARENA	123		

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    9     02.30-03.20      M WTH     072C     106
   10     03.30-04.20      M WTH     ARENA    123
   11     03.30-04.20      M WTH     H EC     102
325   BLACK AMER WRITERS                 03.0 CR
       PREREQ   GSC 103 OR EQUIVALENT
    1*    08.30-09.20      MT THF    072C     116     MAYERS
    2*    10.30-11.20      MT THF    072C     109     MAYERS
341   MODERN ART B-20 CEN                C3.0 CR
    1     07.30-08.20      M W  F    LAWSON   161  SULLIVAN
345A  WORLD LITERATURE                   03.0 CR
       PREREQ   GSC 103 OR EQUIV
    1     08.30-09.20      MT TH     072C     106
    2     09.30-10.20      MT TH     072C     106
345C  WORLD LITERATURE                   C3.0 CR
       PREREQ   GSC 103 OR EQUIV
    1     09.30-10.20      MT TH     072C     107
    2     12.30-01.20      MT TH     072C     106
349   THE CINEMA                         C3.0 CR
    1     01.30-03.20      M W       LAWSON   151  DAVIS
          02.30-03.20       T        LAWSON   151
      NOTE $5.00 SCREENING FEE
351A  MASTERPIECES NOVEL                 C3.0 CR
       PREREQ   GSC 103 OR EQUIV
    1     01.30-02.20      MT TH     072C     103
351B  MASTERPIECES NOVEL                 03.0 CR
       PREREQ   GSC 103 OR EQUIV
    1     08.30-09.20      M W  F    072C     104
    2     11.30-12.20      M W  F    072C     104
363A  PHIL OF SCIENCE                    C3.0 CR
    1     10.30-11.20      M W  F    LAWSON   131  CLARKE DAVID S
365   SHAKESPEARE                        C3.0 CR
       PREREQ   GSC 103 OR EQUIV
    1     10.30-11.20      MT TH     072C     106
    2     01.30-02.20      MT        WHAM     312
          01.30-02.20         TH     072C     105
370B  AMER MUS  FOLK+JAZZ                03.0 CR
       PREREQ   GSC 100 OR EQUIVALENT
    1     01.30-02.20      M W  F    ALTG     115  BRANCH
      TOPIC-EVOLUTION OF JAZZ
381   GREEK PHILOSOPHY                   C3.0 CR
    1     09.30-10.20      M W  F    H EC     208  MOORE + CLARK
382   GRAECO-ROM MED PHIL                C3.0 CR
    1     10.30-11.20      M W  F    H EC     208  LIU
383   EARLY MODERN PHIL                  C3.0 CR
    1     11.30-12.20      M W  F    H EC     208  ALLEN
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General Studies Area D—Organization and Communication of Ideas (GSD)

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101   ENGLISH COMPOSITION                03.0 CR
    1     07.30-08.20      M W  F    PULL      38
    2     07.30-08.20      M W  F    H EC     106
    3     07.30-08.20      M W  F    H EC     118
    4     08.30-09.20      M W  F    0720     108
    5     08.30-09.20      M W  F    GYM      203
    6     08.30-09.20      M W  F    072C     107
    7     08.30-09.20      M         WHAM     303
          08.30-09.20         W  F   072C     106
    8     08.30-09.20      M W  F    LS I     323
    9     09.30-10.20      M W  F    072C     108
   10     09.30-10.20      M         BAILEY   130
          09.30-10.20         W  F   GYM      203
   11     09.30-10.20      M W  F    WHAM     105
   12     09.30-10.20      M W  F    WARREN   129
   13     09.30-10.20      M W       AG       222
          09.30-10.20           TH   H EC     104
   14     10.30-11.20      M W  F    072C     107
   15     10.30-11.20      M W  F    GYM      203
   16     10.30-11.20      M W  F    PULL      39
   17     10.30-11.20      M W  F    PIERCE   130
   18     10.30-11.20      M W  F    072C     108
   19     11.30-12.20      M W  F    PARK     309
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20	11.30-12.20	M W F	PARK	308
21	11.30-12.20	M W F	GYM	203
22	11.30-12.20	M W F	072C	108
23	11.30-12.20	M W F	072C	108
24	11.30-12.20	M	H EC	202
	11.30-12.20	W F	072C	105
25	11.30-12.20	M W F	072C	106
26	11.30-12.20	M W F	072C	116
27	12.30-01.20	M W F	PULL	41
28	12.30-01.20	M W F	GYM	204
29	12.30-01.20	M W F	072C	107
30	12.30-01.20	M W F	AG	188
31	01.30-02.20	M W F	072C	107
32	01.30-02.20	M W F	072C	104
33	01.30-02.20	M W F	PARK	204
34	02.30-03.20	M W F	072C	105
35	02.30-03.20	M W F	072C	107
36	02.30-03.20	M W F	WHAM	321
37	02.30-03.20	M W F	WHAM	305
38	03.30-04.20	M W F	WHAM	312
39	03.30-04.20	M W F	H EC	104
40	03.30-04.20	MT TH	WHAM	305

102 ENGLISH COMPOSITION 03.0 CR
PREREQ GSD 101 OR THE APPROPRIATE ACT SCORE

1	07.30-08.20	M W F	PARK	111
2	07.30-08.20	M W F	LS I	16
3	07.30-08.20	M W F	072C	107
4	08.30-09.20	M	PARK	309
	08.30-09.20	W F	072C	105
5	08.30-09.20	M W F	PARK	111
6	09.30-10.20	M W	AG	209
	09.30-10.20	F	WHAM	210
7	09.30-10.20	M W F	072C	109
8	10.30-11.20	M W F	TECH A	111
9	11.30-12.20	M W F	LS I	16
10	12.30-01.20	M W F	072C	109
11	12.30-01.20	M W F	H EC	118
12	01.30-02.20	M	072C	109
	01.30-02.20	T TH	WHAM	317
13	01.30-02.20	M W F	072C	114
14	01.30-02.20	M W F	072C	116
15	02.30-03.20	M W F	H EC	106
16	03.30-04.20	MT TH	H EC	118

103 ORAL COMM OF IDEAS 03.0 CR

1	07.30-08.20	T THF	COMM	1020
	11.30-12.20	M	H EC	122
2	08.30-09.20	MT TH	COMM	1020
	11.30-12.20	M	H EC	206
3	09.30-10.20	T TH	COMM	1020
	09.30-10.20	F	COMM	1022
	11.30-12.20	M	LAWSON	231
4	10.30-11.20	MT TH	COMM	1020
	11.30-12.20	M	LAWSON	101
5	10.30-11.20	T THF	COMM	1018
	11.30-12.20	M	LAWSON	101
6	11.30-12.20	T THF	COMM	1018
	11.30-12.20	M	LAWSON	101
7	11.30-12.20	T THF	COMM	1018
	11.30-12.20	M	LAWSON	231
8	11.30-12.20	THF	COMM	1022
	11.30-12.20	M	TECH A	310
	11.30-12.20	W	COMM	1017
9	11.30-12.20	M	TECH A	308
	11.30-12.20	T TH	COMM	1021
	11.30-12.20	W	COMM	1006
10	12.30-01.20	M W F	COMM	1020
	11.30-12.20	M	LAWSON	171
11	12.30-01.20	T THF	COMM	1018
	11.30-12.20	M	LAWSON	231
12	12.30-01.20	THF	COMM	1021
	11.30-12.20	M	TECH A	310

	12.30-01.20	W	COMM	1017
13	01.30-02.20	M W F	COMM	1020
	11.30-12.20	M	LAWSON	171
14	01.30-02.20	T TH	COMM	1020
	01.30-02.20	F	COMM	1021
	11.30-12.20	M	TECH A	308
15	01.30-02.20	M W F	H EC	203
	11.30-12.20	M	H EC	206
16	02.30-03.20	T TH	COMM	1021
	11.30-12.20	M	LAWSON	171
	02.30-03.20	W	COMM	1006
17	02.30-03.20	M W F	H EC	206
	11.30-12.20	M	LAWSON	171
18	03.30-04.20	TWTH	COMM	1021
	11.30-12.20	M	LAWSON	171

106 INTERMED ALGEBRA 00.0 CR

1	07.30-08.20	TWTHF	TECH A	210
2	11.30-12.20	TWTHF	PHY SC	118
3	02.30-03.20	MTWTH	PHY SC	118
4	03.30-04.20	MTWTH	TECH D	131

107A BASIC COLLEGE MATH 05.0 CR

PREREQ H.S. OR GSD 106

1	07.30-08.20	MTWTHF	TECH A	320
2	10.30-11.20	MTWTHF	PHY SC	156
3	11.30-12.20	MTWTHF	TECH D	131
4	12.30-01.20	MTWTHF	PHY SC	118
5	03.30-04.20	MTWTHF	PHY SC	118

107B BASIC COLLEGE MATH 03.0 CR

PREREQ GSC 107A

1	07.30-08.20	M WTH	PHY SC	118
2	10.30-11.20	M W F	PHY SC	160
3	03.30-04.20	M W F	PHY SC	116

109 ELEMENTS OF PROBAB 03.0 CR

PREREQ GSC 107A

1	08.30-09.20	M WTH	TECH A	220
2	11.30-12.20	MT TH	PHY SC	156
3	12.30-01.20	M	TECH D	131
	12.30-01.20	T TH	PHY SC	218
4	02.30-03.20	T THF	PHY SC	116

110 ECON-BUS STATISTICS 03.0 CR

PREREQ GSC 108B, 114B,CR EQUIV

1	12.30-01.20	M WTH	LAWSON	161

123 ELEM FRENCH 09.0 CR

1	07.30-09.20	MTWTH	WHLR	107
	07.30-08.20	F	WHLR	107
	08.30-09.20	F	WHLR	18
	ACCELERATED			
2	11.30-01.20	MTWTH	WHLR	107
	11.30-12.20	F	WHLR	107
	12.30-01.20	F	WHLR	18
	ACCELERATED			
3	12.30-02.20	TWTHF	WHLR	207
	12.30-01.20	M	WHLR	207
	01.30-02.20	M	WHLR	18
	ACCELERATED			

123B ELEMENTARY FRENCH 03.0 CR

PREREQ GSC 123A

1	10.30-11.20	M TH	H EC	202
	10.30-11.20	F	H EC	102
	10.30-11.20	T	WHLR	18
2	12.30-01.20	MT F	WHLR	214
	12.30-01.20	TH	WHLR	18

123C ELEMENTARY FRENCH 03.0 CR

PREREQ GSC 123B

1	08.30-09.20	T F	AG	216
	08.30-09.20	W	WHLR	18
	08.30-09.20	M	WHLR	203
2	09.30-10.20	M W F	WHLR	107
	09.30-10.20	T	WHLR	18
3	01.30-02.20	MT TH	WHLR	107
	01.30-02.20	W	WHLR	18

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126   ELEMENTARY GERMAN                    C9.0 CR
   1     08.30-10.20      MTWTH     WHLR     214
         08.30-09.20           F    WHLR     214
         09.30-10.20           F    WHLR      18
      ACCELERATED
   2     09.30-10.20      MTWTHF    C72C     103
         10.30-11.20          TH    WHLR      18
         10.30-11.20      MTW  F    C72C     103
      ACCELERATED
   3     01.30-03.20      MT THF    WHLR     113
         01.30-02.20        W       WHLR     113
         02.30-03.20        W       WHLR      18
      ACCELERATED
126C  ELEMENTARY GERMAN                    C3.0 CR
       PREREQ   GSD 126B
   1     08.30-09.20      M W  F    WHLR     113
         08.30-09.20         TH     WHLR      18
   2     01.30-02.20      M WTH     TECH A   220
         01.30-02.20           F    WHLR      18
   3     02.30-03.20      M W  F    WHLR     212
         02.30-03.20         TH     WHLR      18
136   ELEMENTARY RUSSIAN                   C9.0 CR
   1     08.30-10.20      MT THF    WHLR     212  MARTIN
         08.30-09.20        W       WHLR     212
         09.30-10.20        W       WHLR      18
      ACCELERATED
140   ELEMENTARY SPANISH                   C9.0 CR
   1     08.30-10.20      MTW  F    PIERCE   130
         08.30-09.20         TH     WHLR     113
         09.30-10.20         TH     WHLR      18
      ACCELERATED COURSE
   2     12.30-02.20      M W  F    WHLR     212
         12.30-01.20         TH     WHLR     212
         01.30-02.20         TH     WHLR      18
         12.30-02.20       T        H EC     118
      ACCELERATED COURSE
   3     01.30-03.20      M WTHF    H EC     104
         01.30-02.20       T        H EC     104
         02.30-03.20       T        WHLR      18
      ACCELERATED COURSE
140A  ELEMENTARY SPANISH                   C3.0 CR
   1     07.30-08.20      M W  F    WHLR     203
         07.30-08.20         TH     WHLR      18
      SEE SPAN LIST FOR SPAN CONVERSATION
   2     08.30-09.20      M WTH     WARREN   129
         08.30-09.20       T        WHLR      18
   3     01.30-02.20      M WTH     C72C     101
         01.30-02.20       T        WHLR      18
140B  ELEMENTARY SPANISH                   C3.0 CR
       PREREQ   GSD 140A CR EQUIVALENT
   1     08.30-09.20       T   F    H EC     118
         08.30-09.20        W       WHLR     203
         08.30-09.20      M         WHLR      18
   2     11.30-12.20      M W  F    H EC     120
         11.30-12.20       T        WHLR      18
   3     01.30-02.20      M WTH     WHLR     203
      SEE SPAN LIST FOR SPAN CONVERSATION
140C  ELEMENTARY SPANISH                   C3.0 CR
       PREREQ   GSD 140B CR EQUIVALENT
   1     07.30-08.20      MT TH     WHLR     212
         07.30-08.20        W       WHLR      18
   2     08.30-09.20         TH     WHAM     321
         08.30-09.20      M         H EC     206
         08.30-09.20        W       WHAM     326
         08.30-09.20       T        WHLR      18
   3     09.30-10.20       TW       H EC     104
         09.30-10.20           F    H EC     106
         09.30-10.20      M         WHLR      18
   4     02.30-03.20       TWTH     WHLR     107
         02.30-03.20      M         WHLR      18
      SEE SPAN LIST FOR SPAN CONVERSATION
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210   UNCOMMON LANGUAGES                    15.0 CR
    1    09.30-10.20      MTWTHF   072C     102  HOA
         10.30-11.20      MTWTHF   072C     121
         01.30-03.20      MTWTHF   072C     102
      (INTENSIVE VIETNAMESE)
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General Studies Area E—Health and Physical Development (GSE)

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100A  RESTRICTED P E                        C1.0 CR
    1    08.30-09.20      M WTH    ARENA    555  GREENE NORMAN C
101A  SWIMMING-BEGINNING                    C1.0 CR
    1    10.30-11.20      M WTH    PULL P    11  ESSICK RAYMOND B
    2    11.30-12.20      M WTH    PULL P    11  ESSICK RAYMOND B
    3    02.30-03.20      MTW      PULL P    11  FRANKLIN
101B  SWIMMING - INTERMED                   C1.0 CR
    1    01.30-02.20       T TH    PULL P    11
102   PHYSICAL FITNESS                      C1.0 CR
    1    07.30-08.20      M W      PULL      102  BELL LARRY R
         01.30-02.20       T       LAWSON    141  ACKERMAN
    2    07.30-08.20       T TH    PULL      102  BELL LARRY R
         01.30-02.20       T       LAWSON    141  ACKERMAN
    3    09.30-10.20      M  TH    ARENA     555  JONES
         01.30-02.20       T       LAWSON    141  ACKERMAN
    4    10.30-11.20      M  TH    ARENA     555  JONES
         01.30-02.20       T       LAWSON    141  ACKERMAN
    5    11.30-12.20       T TH    ARENA     555  GURLEY
         01.30-02.20       T       LAWSON    141  ACKERMAN
    6    01.30-02.20      M W      ARENA     555  ACKERMAN
         01.30-02.20       T TH    LAWSON    141
104B  ACTIVITY-BADMINTON                    C1.0 CR
    1*   08.30-10.20      M W      ARENA     555     MEADE WILLIAM T
    2*   08.30-10.20       T TH    ARENA     555     MEADE WILLIAM T
    3    03.30-04.20      M WTH    ARENA     555  STOTLAR
104C  ACTIVITY-BOWLING                     C1.0 CR
    1    10.30-11.20      MT TH    U CTR      48  HARTZOG LEWIS B
    2    11.30-12.20      MT TH    U CTR      48  HARTZOG LEWIS B
104E  ACTIVITY-GOLF                        C1.0 CR
    1    07.30-09.20      M        ARENA     555  REESE
         08.30-09.20        W      ARENA     555
    2    09.30-10.20      M WTH    ARENA     555  OKITA TED Y
    3    09.30-12.20       T       ARENA     555  BOLICK
      STUDENTS FURNISH OWN CLUBS + TRANSPORT +
       FEE REQ
    4    10.30-11.20      M WTH    ARENA     555  HOLDER LYNN C
    5    11.30-12.20      M WTH    ARENA     555  HOLDER LYNN C
    6    12.30-01.20      M W  F   ARENA     555  ACKERMAN
    7    01.30-03.00      M WTH    ARENA     555
    8    01.30-04.30         TH    ARENA     555  ACKERMAN
104F  ACTIVITY-TENNIS                      C1.0 CR
    1    07.30-09.20       T TH    ARENA     555  IUBELT
    2    07.30-09.20      M W      ARENA     555     IUBELT
    3    09.30-10.20      M W  F   ARENA     555  GURLEY
    4*   09.30-11.20       T TH    ARENA     555  LONG
    5    10.30-11.20      M W  F   ARENA     555     GURLEY
    6*   11.30-01.20       T TH    ARENA     555  LONG
    7    12.30-01.20      M W  F   ARENA     555  REESE
104I  ACTIVITY-VOLLEYBALL                  C1.0 CR
    1    06.00-07.00 PM   T   F    GRASSY   100         BOLICK MARK
      RESTRICTED TO LITTLE GRASSY STUDENTS
      ONLY
104J  ACTIVITY-SOFTBALL                    C1.0 CR
    1    08.30-09.20      M WTH    ARENA     555  MARTIN MORRIS GLEN
    2    09.30-10.20      M WTH    ARENA     555  MARTIN
104N  ACTIVITY-CROSS COUN                  C1.0 CR
    1    07.00-08.00 PM   T   F    GRASSY   100         BOLICK MARK
      RESTRICTED TO LITTLE GRASSY STUDENTS
      ONLY
104X  ACTIVITY-HANDBALL                    C1.0 CR
    1    08.30-09.20      M WTH    ARENA     555
    2    09.30-10.20      M WTH    ARENA     555
    3    10.30-11.20      M WTH    ARENA     555
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110A RESTRICTED P E C1.0 CR
1 01.30-02.20 M W F GYM 110

111A SWIMMING-BEGINNING C1.0 CR
1 07.30-09.20 T TH GYM 114 COOPER CAROL
2 07.30-09.20 M W GYM 114 DAKAK
3 12.30-02.20 T TH GYM 114 COOPER CAROL

111B SWIMMING-INTERMED C1.0 CR
PREREQ GSE 111A OR EQUIVALENT
1 08.30-09.20 M W F PULL P 11 COOPER CAROL
PREREQ-GSE 111A OR EQUIVALENT
2 12.30-01.20 M W F PULL P 11 COOPER CAROL

112 EXERCISE FOR FITNES C1.0 CR
1 07.30-08.20 M W F GYM 207 BRECHTELSBAUER KAY
2 08.30-09.20 T THF GYM 207

113C DANCE-BEG CONTEMP C1.0 CR
1 07.30-08.20 T THF GYM 208 DAKAK

114A ACTIVITY-ARCHERY C1.0 CR
1 10.30-12.20 T TH GYM 208 DAKAK
2 10.30-11.20 M W F GYM 208

114C ACTIVITY-BOWLING C1.0 CR
1 09.30-10.20 M W F U CTR 48 BLACKMAN
FEE REQUIRED
2 12.30-01.20 M W F U CTR 48
FEE REQUIRED

114E ACTIVITY-GOLF C1.0 CR
1 08.30-09.20 M W F GYM 114 BRECHTELSBAUER KAY
2 09.30-10.20 T THF GYM 114 BRECHTELSBAUER KAY
3 11.30-12.20 M W F GYM 207 BRECHTELBAUER
4 11.30-01.20 T TH GYM 207 BRECHTELSBAUER KAY
5 01.30-02.20 M W F GYM 207

114F ACTIVITY-TENNIS C1.0 CR
1 07.30-09.20 T TH GYM 114 BLACKMAN
2 07.30-09.20 M W GYM 114 COTTEN SARAH ELLEN
3 08.30-10.20 T TH GYM 114 BLACKMAN
4 09.30-11.20 T TH GYM 207 COOPER
5 10.30-12.20 T TH GYM 114
6 12.30-02.20 T TH GYM 114 BLACKMAN
7 12.30-02.20 M W GYM 207

114M ACTIVITY-FENCING C1.0 CR
1 10.30-11.20 M W F GYM 114 BLACKMAN
2 11.30-12.20 M W F GYM 114 COTTEN SARAH ELLEN

114P ACTIVITY-GYM + TUMB C1.0 CR
1 09.30-10.20 M W F GYM 207

201 HEALTHFUL LIVING C3.0 CR
1 07.30-08.20 MT TH TECH D 131
2 07.30-08.20 M ARENA 125
07.30-08.20 T TH TECH A 220
3 08.30-09.20 M W F TECH A 422
4 08.30-09.20 M W F TECH A 222
5 08.30-09.20 M W F TECH A 410
6 08.30-09.20 M W F H EC 201
7 09.30-10.20 T TH TECH A 222
09.30-10.20 F ARENA 119
8 10.30-11.20 MT TH AG 209
9 10.30-11.20 M W F TECH A 222
10 10.30-11.20 M W F LAWSON 231
11 10.30-11.20 M W TECH A 310
10.30-11.20 F ARENA 121
12 10.30-11.20 M W F H EC 201
13 11.30-12.20 M W F AG 216
14 11.30-12.20 TWTH TECH A 308
15 11.30-12.20 M W F TECH A 222
16 11.30-12.20 M W F PHY SC 160
17 11.30-12.20 M W F H EC 201
18 12.30-01.20 M W F ARENA 119
19 01.30-02.20 TH F ARENA 121
20 02.30-03.20 M WTH ARENA 121
21 05.30-08.20 M GRASSY 100

SCHEDULE OF DEPARTMENTAL COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
Accounting (ACCT)				
250	ACCT FUNDAMENTALS		C4.0 CR	
1	01.30-02.20	MTWTF	CL 12	
251A	FINANCIAL ACCT		C4.0 CR	
	PREREQ SOPHOMORE STANDING			
1	08.30-09.20	MT THF	CL 12	
2	10.30-11.20	MT THF	CL 12	
251B	FINANCIAL ACCT		C4.0 CR	
	PREREQ ACCT 251A			
1	10.30-11.20	MT THF	CL 18	
2	11.30-12.20	MT THF	CL 12	
261	MANAGEMENT ACCT		C4.0 CR	
	PREREQ ACCT 251B AND MATH 111A			
1	07.30-08.20	MT THF	CL 12	
2	09.30-10.20	MT THF	CL 12	
331	TAX ACCOUNTING		C4.0 CR	
	PREREQ ACCT 261			
1	09.30-10.20	MT THF	CL 18	
351A	INTERMEDIATE ACCT		C4.0 CR	
	PREREQ ACCT 261			
1	11.30-12.20	MTWTF	CL 18	
351B	INTERMEDIATE ACCT		C4.0 CR	
	PREREQ ACCT 351A			
1	01.30-02.20	MTWTF	CL 18	
453	ADVANCED ACCOUNTING		C4.0 CR	
	PREREQ ACCT 351A,B			
1	08.30-09.20	MTWTF	CL 18	
456	AUDITING		C4.0 CR	
	PREREQ ACCT 331, 341, AND 351A,B			
1	07.30-08.20	MT THF	CL 18	
459	INTERNSHIP IN ACCT		C4.0 CR	
	PREREQ CONSENT OF INTERNSHIP COMMITTEE			
1	TO BE ARRANGED			
Agricultural Industries (AG I)				
204	INTRO AG ECONOMICS		C4.0 CR	
1	07.30-08.20	MTWTF	AG 168	HERR WILLIAM M
310	GENERAL AGRICULTURE		C4.0 CR	
1*	08.30-09.20	MTWTF	AG 225	BENTON RALPH A
	07.30-09.20	F	AG 168	
350	FARM MANAGEMENT		C5.0 CR	
	PREREQ AG I 204 OR GSB 211A			
1	07.30-08.20	MTWTF	AG 225	LANGFORD
	07.30-09.20	F	AG 225	
359	INTERN PROGRAM		03.0 TO C5.0 CR	
	PREREQ JR STANDING			
1	TO BE ARRANGED			
390	SPEC STUD AG I		01.0 TO C6.0 CR	
	PREREQ CONSENT OF DEPT CHAIRMAN			
1	TO BE ARRANGED			
391	HONORS IN AG INDUST		C1.0 TO C6.0 CR	
	PREREQ JR STAND, 4.0 GPA(4.25 IN MAJ) ,+ CONSENT OF DEPT CHM			
1	TO BE ARRANGED			
456B	AG MKTG - LIVESTOCK		C2.0 CR	
	PREREQ AG I 354, OR CONSENT OF INSTR			
1	09.30-10.20	MTWTHF	AG 225	HAAG
	JUNE 22- JULY 17			
456C	AG MKTG-DAIRY-POULT		C2.0 CR	
	PREREQ AG I 354, OR CONSENT OF INSTR			
1	09.30-10.20	MTWTF	AG 225	SOLVERSON
	JULY 27- AUG 28			
485	PRIN-PHIL VO TEC ED		C3.0 CR	
	PREREQ STUDENT TEACHING OR CONSENT OF DEPARTMENT			
1	08.30-10.20	MTWTHF	TECH A 408	
	JUNE 29-JULY 17			

512 AG COOP INTERNSHIP 03.0 TO 06.0 CR
PREREQ AG I 312B OR CONSENT OF DEPT CHAIRMAN
1 09.00-12.00 MTWTHF AG 155 BUILA THEODORE
12.00-04.00 MTWTHF AG 155
JUNE 22-JULY 17
520 READINGS 01.0 TO 06.0 CR
1 TO BE ARRANGED
525 INTER VOC COOP ED 03.0 CR
PREREQ STUDENT TEACHING
1 10.30-12.20 MTWTHF TECH A 408
JUNE 29-JULY 17
575 RESEARCH 01.0 TO 06.0 CR
1 TO BE ARRANGED
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

Animal Industries (ANI)

121 ANIMAL SCIENCE 05.0 CR
PREREQ NONE
1 10.30-11.20 MTW F AG 116 MILLER
09.30-11.20 TH AG 116 MILLER
359 INTERN PROGRAM 03.0 TO 05.0 CR
PREREQ JR STANDING
1 TO BE ARRANGED
390 SPEC STUD AN I 01.0 TO 06.0 CR
PREREQ JR OR SR STANDING AND CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
431 REPRO PHSL-DOM ANIM 04.0 CR
PREREQ AN I 121 OR A COURSE IN PHSL
1 08.30-09.20 MT TH AG 114 OLSON
08.30-10.20 W AG 114 OLSON
502 SURG RES TEC-FARM A 03.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 09.30-10.20 M AG 132 STRACK
09.30-12.20 F AG 132 STRACK
520 READINGS IN AN INC 01.0 TO 06.0 CR
1 TO BE ARRANGED
575 INDIVIDUAL RESEARCH 01.0 TO 06.0 CR
1 TO BE ARRANGED
579 ANIMAL BEHAVIOR 04.0 CR
PREREQ CONSENT OF INSTR
1 02.30-03.20 TW WHAN 303 WARING
12.30-04.20 TH AG 132
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

Anthropology (ANTH)

275D INDIV STUDY-GENERAL 02.0 TO 18.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
401 LANGUAGE IN CULTURE 04.0 CR
PREREQ ANTH 25C OR EQUIV
1 08.30-10.20 T TH H EC 106 ALTSCHULER
441 COMPARATIVE ECON 03.0 CR
PREREQ ANTH 25C OR EQUIV
1 08.30-09.20 M W F H EC 106 WALKER
444 COMPARATIVE RELIG 03.0 CR
PREREQ ANTH 25C OR EQUIV
1 11.30-12.20 M W F H EC 106 ALTSCHULER
483 INDIV STUDY IN ANTH 01.0 TO 18.0 CR
PREREQ ANTH 25C OR EQUIV
1 TO BE ARRANGED
582 PROB-ARCHAEOLOGY 01.0 TO 27.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
584 PROB-CULTURAL ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
585 READINGS IN ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
597 FIELDWORK IN ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED

* June 22—August 14

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599   THESIS                    C1.C TC C9.C CR
    1    TC BE ARRANGED
600   DISSERTATION              C1.C TC 48.C CR
    1    TC BE ARRANGED
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Applied Science (APS)

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300   UNIV PHYSICS IV                 C5.C CR
       PREREQ   PHYS 111, 206, CR 211
    1    10.30-11.20      MTW  F    PHY SC  41C
         11.30-12.20       T        PHY SC  41C
         01.30-03.20         TH     PHY SC  404
430   SPECIAL PROBLEMS          C2.C TC C8.C CR
       PREREQ   CONSENT OF COORDINATOR
    1    TC BE ARRANGED
570   SPECIAL INVESTIGAT        C2.C TO C6.C CR
    1    TC BE ARRANGED
599   THESIS                    C1.C TO C9.C CR
    1    TC BE ARRANGED
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Art (ART)

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100A  SCULPTURE-CRAFTS                C4.C CR
    1    07.30-09.20      M W  F    ALLYN   112  KINGTON
100B  CRAFTS-SCULPTURE                C4.C CR
    1    09.30-11.20      M W  F    ALLYN   112  ADDINGTON
100C  PAINTING-GRAPHICS               C4.C CR
    1    07.30-09.20      M W  F    ALLYN   202  LINK
100D  GRAPHICS-DRAWING                C4.C CR
    1    01.30-03.20      M W  F    ALLYN   106  LINK
100E  DRAWING-PAINTING                C4.C CR
    1    07.30-10.20       T TH     ALLYN   202  ONKIN
200A  SCULPTURE                       C4.C CR
       PREREQ   ART 100(ABCDE)
    1    07.30-09.20      M W  F    0545    101  WALSH
200B  DRAWING                         C4.C CR
       PREREQ   ART 100(ABCDE)
    1    01.30-03.20      M W  F    ALLYN   202  LITTLEFIELD
200C  PAINTING                        C4.C CR
       PREREQ   ART 100(ABCDE)
    1    10.30-01.20       T TH     ALLYN   202
225B  INTRO TO ART HIST               C3.0 CR
    1    11.30-12.20      M W  F    WHAM    105  SULLIVAN
302   POTTERY                 C2.C TO 12.0 CR
    1    09.30-11.20      M W  F    ALLYN     5  BOYSEN
307   THEORY+PHIL ART ED            C3.0 CR
    1    10.30-11.20      MTWTH     PULL I  105  ABRAHAMSON ROY E
320   ADVANCED PAINTING       C2.C TO 12.0 CR
       PREREQ   ART 100., ART 200
    1    11.30-01.20      M W  F    ALLYN   202  ONKEN MICHAEL C
332   JEWEL + SILVERSMITH     C2.C TO 12.0 CR
    1    08.30-11.20       T TH     ALLYN    11  KINGTON LOUIS BRE
341   DRAWING                 C2.C TO 12.0 CR
    1    09.30-11.20      M W  F    ALLYN   202  WALSH
358   PRINTS                  C2.C TO 12.0 CR
    1    07.30-09.20      M W  F    ALLYN   211  KOLDEN LARRY D
385   WEAVING                 C2.C TO 12.0 CR
    1*    07.30-10.20      M W  F    0701    101  GINSBERG
393   SCULPTURE               C4.C TO 12.0 CR
       PREREQ   ART 200-12 HRS
    1    TC BE ARRANGED                          SULLIVAN MILTON F
406   STUDIO IN PAINTING      C2.C TO 12.0 CR
    1    TC BE ARRANGED                          BERNSTEIN LAWRENC
410   RESEARCH IN PRINTS      C2.C TO 12.0 CR
    1    TC BE ARRANGED                          KOLDEN
426   STUDIO IN POTTERY       C2.C TO 12.0 CR
    1    TC BE ARRANGED                          BOYSEN
436   STUDIO METAL CONSTR     C2.C TO 12.0 CR
    1    TC BE ARRANGED                          KINGTON LOUIS BRE
440   RESEARCH IN WEAVING     C2.C TO 12.0 CR
    1    TC BE ARRANGED                          GINSBURG
441   STUDIO IN DRAWING       C2.C TO 12.0 CR
       PREREQ   ART 341-12 HRS
    1    TC BE ARRANGED                          FINK HERBERT L
466   STUDIO IN ART ED        C2.C TO 12.0 CR
    1    07.30-10.20       T TH     PULL I  105  ABRAHAMSON ROY E
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493 ADVANCED SCULPTURE 02.C TO 12.0 CR
PREREQ ART 393-12 HRS
1 TO BE ARRANGED SULLIVAN MILTON F
501 SEMINAR PAINTING C2.C TO 12.C CR
1 TO BE ARRANGED BERNSTEIN LAWRENCE
502 SEM IN SCULPTURE C2.C TO 12.C CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED SULLIVAN MILTON F
511 SEMINAR IN PRINTS C2.C TO 12.C CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED FINK HERBERT L
526 RESEARCH POTTERY 02.C TO 12.C CR
1 TO BE ARRANGED BOYSEN
536 RESEARCH METAL CONS 02.C TO 12.C CR
1 TO BE ARRANGED KINGTON LOUIS BRENT
540 SEMINAR IN WEAVING C2.C TO 12.0 CR
1 TO BE ARRANGED GINSBURG
566 RESEARCH ART EDUC C2.C TO 12.C CR
1 07.30-09.20 M W F PULL I 105 ABRAHAMSON REY E
571 READ ART HISTORY C2.C TO C5.C CR
PREREQ GRAD STANDING + CONSENT OF INSTR
1 TO BE ARRANGED SULLIVAN
599 THESIS C2.C TO C9.C CR
1 TO BE ARRANGED

Biology (BIOL)

307 ENVIRONMENTAL BIOL C4.0 CR
PREREQ GSA 201B OR 210B OR ADVANCED STANDING
1 11.30-12.20 MTWTF LS I 323 ASHBY
308 ORGANISMIC BIOLOGY C4.0 CR
PREREQ GSA 201B OR 210B OR ADVANCED STANDING
1 10.30-11.20 MTWTF LS I 323 MATTEN

Botany (BOT)

300 MORPH NON-VAS PLANT C4.C CR
PREREQ GSA 201B
1 02.30-03.20 M W F WHAM 308 KAEISER MARGARET
02.30-04.20 T 0842 101
301 MORPH VAS PLANTS C4.0 CR
PREREQ GSA 201B
1 08.30-09.20 T TH WHAM 202 MATTEN LAWRENCE C
08.30-10.20 M W 0842 101
320 PLANT PHYSIOLOGY C5.0 CR
PREREQ GSA 201B, CHEM 350 OR MINOR IN CHEM
1 07.30-08.20 M W F COMM 1006 SCHMID WALTER E
07.30-09.20 T TH LS I 311
2 07.30-08.20 M W F COMM 1006 SCHMID WALTER E
09.30-11.20 T TH LS I 311
390 READINGS - BOTANY C2.C TO C4.0 CR
PREREQ BOT MAJOR AND CONSENT OF INSTR
1 TO BE ARRANGED
391 SPEC PROB IN BOTANY C2.C TO C5.C CR
PREREQ BOT MAJOR AND CONSENT OF DEPT
1 TO BE ARRANGED
405 MYCOLOGY C5.0 CR
PREREQ BOT 300
1 07.30-08.20 M W F LS I 323 GRAY
07.30-09.20 T TH LS I 307
451 INTRO FLORISTICS C4.C CR
1 07.30-08.20 W 0842 101 ANDERSON ROGER
07.30-03.20 F 0842 101
503C ADV ANGIOSPERM TAX C5.0 CR
PREREQ CONSENT OF INSTR
1 01.30-03.20 M WTH COMM S
525 CYTOLOGY C5.0 CR
PREREQ BOT 315 OR ZOO 401
1 02.30-03.20 M W F 0461 101
02.30-04.20 T TH 0461 101

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551   MISS FLORA UPLAND                    C4.0 CR
       PREREQ   BOT 450, 451, OR CONSENT
                OF INSTRUCTOR
    1    08.30-04.20        T        0842    101  MCHLENBROCK ROBERT
         12.30-01.20        M        0842    101
552   MISS FLORA AQUATIC                   C4.0 CR
       PREREQ   CONSENT OF INSTR
    1    08.30-04.20        TH       0842    101  TINDALL DONALD R
570   READINGS - BOTANY        02.0 TO 05.0 CR
    1    TO BE ARRANGED
591   RESEARCH                 03.0 TO 09.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
599   THESIS                   03.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DISSERTATION             01.0 TO 36.0 CR
    1    TO BE ARRANGED
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Business Administration (B A)

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502   BUSINESS + SOCIETY                   C4.0 CR
    1    01.30-03.20        M W      WHAM     112
521   BUSINESS COND ANAL                   C4.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    10.30-12.20        T TH     CL        24
530   FINANCIAL MGT                        C4.0 CR
    1    08.30-10.20        M  TH    H EC     102
549   SEMINAR IN MGT                       C4.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    03.30-05.20        T TH     WHAM     3018
550   MARKETING MGT                        C4.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    10.30-12.20        M W      CL        24
590   INDEPENDENT STUDY                    C4.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    TO BE ARRANGED                                    FRYMAN
598   BUSINESS POLICIES                    C4.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    03.30-05.20        M W      COMM   1022
599   THESIS                   04.0 TO 08.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    TO BE ARRANGED                                    FRYMAN
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Chemistry (CHEM)

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115   INTRO GENERAL CHEM                   C5.0 CR
    1    08.30-09.20        M W  F   PARK     124
         07.30-08.20             F   PHY SC   218
         07.30-09.20         T TH    PHY SC   102
    2    08.30-09.20        M W  F   PARK     124
         07.30-08.20             F   PHY SC   218
         07.30-09.20         T TH    PHY SC   104
    3    08.30-09.20        M W  F   PARK     124
         07.30-08.20           W     PHY SC   116
         07.30-09.20         T TH    PHY SC   106
235   GEN PLANT ANALYSIS                   C5.0 CR
       PREREQ   CHEM 121B
    1    12.30-01.20        M W  F   PHY SC   116
         12.30-03.20         T TH    PHY SC   408
    2    12.30-01.20        M W  F   PHY SC   116
         12.30-03.20         T TH    PHY-SC   409
240   ORGANIC CHEMISTRY                    C4.0 CR
       PREREQ   110 OR 121A
    1    11.30-12.20        M WTHF   PHY SC   116
         09.30-12.20         T       PHY SC   109
    2    11.30-12.20        M WTHF   PHY SC   116
         12.30-03.20         T       PHY SC   109
305B  ORG CHEM-PRE PROF                   C5.0 CR
       PREREQ   CHEM 305A
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    1     11.30-12.20      M W  F    PHY SC  218
          12.30-03.20       T TH    PHY SC  203
    2     11.30-12.20      M W  F    PHY SC  218
          09.30-12.20       T TH    PHY SC  203
350   BIOLOGICAL CHEM                   C4.0 CR
      PREREQ   CHEM 240 OR 305B OR 341C
    1     03.30-04.20      M W  F    PHY SC  218
          01.30-04.20       T       PHY SC  204
432A  INST ANAL MEASMTS                 C4.0 CR
      PREREQ   CHEM 461B (MAY BE TAKEN
               CONCURRENTLY)
    1     07.30-08.20      M W       PHY SC  218
          07.30-12.20       T       PHY SC  316
    2     07.30-08.20      M W       PHY SC  218
          07.30-12.20         TH    PHY SC  316
446   QUAL ORGANIC ANALY                C4.0 CR
      PREREQ   CHEM 305B OR 341C + CHEM 461C
    1     07.30-08.20       T TH    PHY SC  218
          08.30-11.20       T TH    PHY SC  205
460   PRIN PHYSICAL CHEM                C5.0 CR
      PREREQ   CHEM 235, 305B OR 341C + 1 YR
               OF PHYS OR CONSENT
    1     10.30-11.20      M W  F    PHY SC  116
          08.30-11.20       T TH    PHY SC  105
496A  CHEM PROB ANALY          C1.0 TO 12.0 CR
      PREREQ   CONSENT OF INSTRUCTOR AND DEPT
               CHAIRMAN
    1     TO BE ARRANGED
496B  CHEM PROB BIOCHEM        C1.0 TO 12.0 CR
      PREREQ   CONSENT OF INSTRUCTOR AND DEPT
               CHAIRMAN
    1     TO BE ARRANGED
496C  CHEM PROB INORGANIC      C1.0 TO 12.0 CR
      PREREQ   CONSENT OF INSTRUCTOR AND DEPT
               CHAIRMAN
    1     TO BE ARRANGED
496D  CHEM PROB ORGANIC        C1.0 TO 12.0 CR
      PREREQ   CONSENT OF INSTRUCTOR AND DEPT
               CHAIRMAN
    1     TO BE ARRANGED
496E  CHEM PROB PHYSICAL       C1.0 TO 12.0 CR
      PREREQ   CONSENT OF INSTRUCTOR AND DEPT
               CHAIRMAN
    1     TO BE ARRANGED
569   ADV TOPICS-PHYSICAL      C2.0 TO 30.0 CR
      PREREQ   CHEM 561
    1     09.30-10.20      M W  F    PHY SC  116
594A  SP READ-CHEM ANALY       C2.0 TO 15.0 CR
      PREREQ   24 HRS OF 500 CHEM AND CONSENT
               OF DIV
    1     TO BE ARRANGED
594B  SP READ-CHEM BIO         C2.0 TO 15.0 CR
      PREREQ   24 HRS OF 500 CHEM AND CONSENT
               OF DIV
    1     TO BE ARRANGED
594C  SP READ-CHEM INORG       C2.0 TO 15.0 CR
      PREREQ   24 HRS OF 500 CHEM AND CONSENT
               OF DIV
    1     TO BE ARRANGED
594D  SP READ-CHEM ORGAN       C2.0 TO 15.0 CR
      PREREQ   24 HRS OF 500 CHEM AND CONSENT
               OF DIV
    1     TO BE ARRANGED
594E  SP READ-CHEM PHYS        C2.0 TO 15.0 CR
      PREREQ   24 HRS OF 500 CHEM AND CONSENT
               OF DIV
    1     TO BE ARRANGED
596A  ADV CHEM PROB-ANAL       C3.0 TO 20.0 CR
      PREREQ   CONSENT OF DEPT CHAIRMAN
    1     TO BE ARRANGED
596B  ADV CHEM PROB-BIO        C3.0 TO 20.0 CR
      PREREQ   CONSENT OF DEPT CHAIRMAN
    1     TO BE ARRANGED
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596C ADV CHEM PRCB-INORG C3.C TO 20.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
596D ADV CHEM PRCB-CRGAN C3.C TO 20.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
596E ADV CHEM PRCB-PHYS C3.C TO 20.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
597A RES + THESIS-ANAL C3.C TO 40.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
597B RES + THESIS-BIC C3.C TO 40.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
597C RES + THESIS-INCRG C3.C TO 40.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
597D RES + THESIS-CRGAN C3.C TO 40.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
597E RES + THESIS-PHYS C3.C TO 40.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
598A RES-DCCTCR ANALY C3.C TO 48.C CR
PREREQ M A DEGREE CR EQUIV
1 TC BE ARRANGED
598B RES-DCCTCR BICCHEM C3.C TO 48.C CR
PREREQ M A DEGREE CR EQUIV
1 TC BE ARRANGED
598C RES-DCCTCR INCRGAN C3.C TO 48.C CR
PREREQ M A DEGREE CR EQUIV
1 TC BE ARRANGED
598D RES-DCCTCR CRGANIC C3.C TO 48.C CR
PREREQ M A DEGREE CR EQUIV
1 TC BE ARRANGED
598E RES-DCCTCR PHYS C3.C TO 48.C CR
PREREQ M A DEGREE CR EQUIV
1 TC BE ARRANGED
600A DISSERT ANALYTICAL C3.C TO 48.0 CR
PREREQ ADMISSICN TC PH D CANDIDACY
1 TC BE ARRANGED VAN ATTA
600B DISSERT BICCHEM C3.C TO 48.C CR
PREREQ ADMISSICN TC PH D CANDIDACY
1 TC BE ARRANGED
600C DISSERT INORGANIC C3.C TO 48.C CR
PREREQ ADMISSICN TC PH D CANDIDACY
1 TC BE ARRANGED
600D DISSERT CRGANIC 03.0 TO 48.0 CR
PREREQ ADMISSICN TC PH D CANDIDACY
1 TC BE ARRANGED
600E DISSERT - PHYSICAL C3.C TO 48.0 CR
PREREQ ADMISSICN TC PH D CANDIDACY
1 TC BE ARRANGED

Cinema and Photography (C & P)

260A FUND-STILL PHCTC C4.C CR
1 09.30-11.20 M W 0834 113 GILMORE
01.30-05.20 T AG 142
NCTE-NCT CPEN TC PHCTCMAJCRS
2 09.30-11.20 M W 0834 113 GILMORE
01.30-05.20 TH AG 142
NCTE-NCT CPEN TC PHCTCMAJCRS
341A CINEMATCGRAPHY C4.C CR
1 08.30-09.20 TWTH 0834 113 MERCER JOHN
09.30-10.20 W 0834 104
NCTE-NCT CPEN TC PHCTCMAJCRS
2 08.30-09.20 TWTH 0834 113 MERCER JOHN
09.30-10.20 TH 0834 104
NCTE-NCT OPEN TO PHCTC MAJCRS
3 08.30-09.20 TWTH 0834 113 MERCER JOHN
09.30-10.20 F 0834 104
NCTE-NCT CPEN TO PHCTC MAJCRS

411 WKSHOP STILL PHOTO C6.0 CR
PREREQ CONSENT OF DEPT
1 09.30-11.20 T TH 0834 113 GILMORE
01.30-04.20 M W AG 142
OPEN ONLY TO GRAD STUDENTS
412 WKSHOP CINEMA PROD C1.0 TO C6.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED PAINE FRANK F
2 12.30-03.20 MTW 0834 113 MERCER
REQ FOR 6 HRS OPEN TO GRAD STUDENTS ONLY
431 PROB STILL PHOTO CI C1.0 TO 12.0 CR
PREREQ BY PERMISSION
1 TO BE ARRANGED
JUNE 23-JULY 21

Child and Family (C & F)

227 FAMILY LIVING C3.0 CR
1 02.30-03.20 M W F H EC 203 PONTON
237 CHILD DEVELOPMENT C3.0 CR
1 03.30-04.20 M W F H EC 203 PONTON

Clothing and Textiles (C & T)

127A CLOTHING SELECTION C2.0 CR
1 10.30-11.20 T TH H EC 203 RIDLEY SAMANTHA SUE
127B CLOTHING CONSTRUCT C2.0 CR
1 12.30-02.20 T TH H EC 310 FLINT
233 PATT DES + CLO CONS C3.0 CR
PREREQ C+T 127 OR CONSENT OF CHAIRMAN
1 02.30-04.20 T TH H EC 310 FLINT
360 TAILORING + CONST C4.0 CR
PREREQ C+T 233 OR CONSENT OF CHAIRMAN
1 09.30-11.20 M W F H EC 310 RIDLEY
371 FIELD EXPERIENCE C3.0 TO C6.0 CR
PREREQ CONSENT OF CHAIRMAN
1 TO BE ARRANGED PADGETT +RIDLEY
395 SPECIAL PROBLEMS C2.0 TO C4.0 CR
PREREQ CONSENT OF CHAIRMAN
1 TO BE ARRANGED
481 READINGS C2.0 TO C6.0 CR
PREREQ CONSENT OF CHAIRMAN
1 08.30-09.20 M W F H EC 301 PADGETT
572 SPECIAL PROBLEMS C2.0 TO C5.0 CR
1 TO BE ARRANGED PADGETT+MCRAN
599 THESIS C2.0 TO C9.0 CR
1 TO BE ARRANGED PADGETT+MCRAN

Design (DES)

366 P-S DESIGN C5.0 TO 15.0 CR
PREREQ DES 200 215 275
1 TO BE ARRANGED
375 VISUAL DESIGN C5.0 TO 15.0 CR
PREREQ DES 200 215 215
1 TO BE ARRANGED
490F STUDIO P-S DESIGN C2.0 TO 12.0 CR
1 TO BE ARRANGED
490G STUDIO-VISUAL DES C2.0 TO 12.0 CR
1 TO BE ARRANGED
550 FIELD STUDY DESIGN C2.0 TO 16.0 CR
1 TO BE ARRANGED
599 THESIS C3.0 TO C9.0 CR
1 TO BE ARRANGED

Economics (ECON)

214 ECONOMICS-MACRO C4.0 CR
1 10.30-11.20 MTWTH WHAN 308
2 03.30-04.20 TWTHF LAWSON 221
215 ECONOMICS-MICRO C4.0 CR
PREREQ ECON 214
1 07.30-08.20 TWTHF WHAN 302
2 01.30-02.20 TWTHF LAWSON 221
301 ECONOMIC READINGS C1.0 TO C6.0 CR
PREREQ CONSENT OF INSTR + CHAIRMAN
1 TO BE ARRANGED
308 ECON-BUS STAT I C4.0 CR
PREREQ GSC 110

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     1     09.30-10.20       TWTHF    0875      101
     2     03.30-04.20      MTWTH     WHAM      201
315    MONEY AND BANKING I              C4.0 CR
        PREREQ   ECON 215 OR CONSENT OF INSTR
     1     12.30-01.20      MTWTH     WHAM      206  PETRO
330    PUBLIC FINANCE                   C4.0 CR
        PREREQ   GSB 211A OR ECON 215 OR
                 CONSENT OF INSTR
     1     09.30-10.20       TWTHF    0875      102  FRYMAN
422    INTRO ECON DEVELOP               C4.0 CR
        PREREQ   ECON 215
     1     11.30-12.20       TWTHF    WHAM      319  BADRE
436    GOVT AND LABOR                   C3.0 CR
        PREREQ   ECON 215 OR GSB 211C
     1     08.30-09.20      M WTH     CL         24  EDELMAN
440    INTERMED MICRO THEO              C4.0 CR
        PREREQ   ECON 215 OR CONSENT OF INSTR
     1     07.30-08.20       TWTHF    WHAM      202  BADRE
     2     12.30-01.20       TWTHF    WHAM      228  MARTINSEK
441    INTERMED MACRO TH                C4.0 CR
        PREREQ   ECON 214
     1     01.30-02.20      MTWTH     CL         24
481    COMP ECON SYSTEMS                C4.0 CR
        PREREQ   215 OR CONSENT OF INSTR
     1     02.30-03.20       TWTHF    CL         24  HAITANI
490    ECONOMIC EDUCATION               C4.0 CR
     1*    02.30-03.20       TWTHF    WHAM      328  WIEGAND G CARL
           02.30-03.20      M         WHAM      326  WIEGAND G CARL
       JUNE 22-AUGUST 14)
500    ECONOMIC SEMINAR        C4.0 TO C8.0 CR
        PREREQ   CONSENT OF INSTR
     1     11.30-12.20      MTWTH     PHY SC    278
501    ECONOMICS READING       C1.0 TO C5.0 CR
        PREREQ   CONSENT OF DEPARTMENT
     1     TO BE ARRANGED
502    READING IN RES ECON     C1.0 TO C6.0 CR
        PREREQ   CONSENT OF FORESTRY DEPT
     1     TO BE ARRANGED
541    NATL INCOME THEORY               C4.0 CR
        PREREQ   ECON 441 OR CONSENT OF INSTR
     1     10.30-11.20      MTWTH     WHAM      201
543    SEM IN EC POLICY                 C4.0 CR
        PREREQ   ECON 440 AND 441 OR CONSENT OF
                 INSTR
     1     12.30-02.20      M W       WHAM      212
599    THESIS                  .    C1.0 TO C9.0 CR
     1     TO BE ARRANGED
600    DOCTORAL DISSERTAT      C1.0 TO 48.0 CR
     1     TO BE ARRANGED
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Educational Administration and Foundations (EDAF)

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355    PHILOSOPHY OF EDUC               C4.0 CR
     1     07.30-08.20      MTWTH     WHAM      210
     2     07.30-08.20      MTWTH     WHAM      319
     3     08.30-09.20      MTWTH     WHAM      112
     4     09.30-10.20      MTWTH     WHAM      112
     5     10.30-11.20      MT TH     0861      102
           10.30-11.20        W       WHAM      326
     6     11.30-12.20      MTWTH     WHAM      302
     7     11.30-12.20      MTWTH     0861      102
     8     12.30-01.30      MTWTH     WHAM      302
     9     01.30-02.20      MTWTH     WHAM      206
    10     02.30-03.20      MTWTH     WHAM      210
360    SUBCULT IN AMER ED               C4.0 CR
     1     10.30-11.20      MT TH     WHAM      303
           10.30-11.20        W  F    CL         25
431    HIST OF EDUC IN U S              C4.0 CR
     1*    08.30-09.20      MTWTHF    WHAM      329  VINCENT SAMUEL M
432    EDUC + SOC FORCES                C4.0 CR
     1*    12.30-01.20      MTWTHF    WHAM      201  HAWLEY
500    RESEARCH METHODS                 C4.0 CR
     1*    07.30-08.20      MTWTHF    WHAM      328
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    2*    08.30-09.20      MTWTHF    WHAM     228
    3*    09.30-10.20      MTWTHF    CL        24
    4     12.30-01.20      MTWTHF    WHAM     312
502   SEMINAR COMP EDUC                C4.0 CR
    1*    09.30-10.20      MTWTHF    WHAM     205  LEAN ARTHUR EDWARD
506   CURR REL AM CULTURE              C4.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1*    01.30-02.20      MTWTHF    WHAM     305  HALL JAMES HERRICK
507A  20TH CENTURY + EDUC              C4.0 CR
    1*    09.30-10.20      MTWTHF    WHAM     317  COUNTS GEORGE S
511A  INTERN PRACTICUM                 C4.0 CR
      PREREQ   CONSENT OF THE DEPARTMENT
               ADVISORY COMMITTEE
    1     TO BE ARRANGED
511B  INTERN PRACTICUM                 C4.0 CR
      PREREQ   511A
    1     TO BE ARRANGED
511C  INTERN PRACTICUM                 C4.0 CR
      PREREQ   511B
    1     TO BE ARRANGED
520B  ILLINOIS SCHOOL LAW              C4.0 CR
      PREREQ   52CA
    1*    10.30-11.20      MTWTHF    WHAM     202  SASSE
524A  SCHL ADMINISTRATION              C4.0 CR
    1*    08.30-09.20      MTWTHF    WHAM     305
524B  SCHL ADMINISTRATION              C4.0 CR
    1*    09.30-10.20      M WTH     WHAM     301B STUCK DEAN L
          09.30-10.20        T   F   WHAM     201
524C  SCHL ADMINISTRATION              C4.0 CR
    1*    10.30-11.20      MTWTHF    PULL      41
527   CURR-ISSU SCH ADMIN    C2.0 TO C4.0 CR
    1     09.30-11.20      MTWTHF    0871     101  STUCK + SASSE
          01.30-03.20      MTWTHF    0871     101
      AUGUST 11-22
533   SCHOOL BUILDINGS                 C4.0 CR
    1*    08.30-09.20      MTWTHF    WHAM     312  NEAL CHARLES D
534C  EDUCATIONAL DATA P     C2.0 TO C4.0 CR
    1*    09.30-10.20      MTWTHF    WHAM     305  BLISS
536A  ADMINIST WORKSHOP                C3.0 CR
    1*    01.30-04.20      MTWTHF    WHAM     205      EWING PARKER LELA
      JUNE 17-JULY 5
554   CONTRAST PHIL IN ED              C4.0 CR
      PREREQ   355 OR PHIL 355 OR EQUIVALENT
    1*    11.30-12.20      MTWTHF    WHAM     208  LEAN ARTHUR EDWARD
556A  SCHOOL SUPERVISION               C4.0 CR
    1*    09.30-10.20      MTWTH     WHAM     303  ARMISTEAD FRED J
          09.30-10.20           F    WHAM     112  ARMISTEAD FRED J
556B  SEM-ED SUPERVISION               C4.0 CR
      PREREQ   EDAF 556A
    1     08.30-09.20      MTWTHF    WHAM     212  BRACEWELL GEORGE
560   CURRICULUM                       C4.0 CR
    1*    08.30-09.20      MTWTHF    PULL      43A FISHBACK WOODSON W
563   SCHOOL PUBLIC REL                C4.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1*    09.30-10.20      MTWTHF    WHAM     328  NEAL CHARLES D
564   H S PRINCIPALSHIP                C4.0 CR
    1*    12.30-01.20      MTWTHF    WHAM     303
575A  IND RES CURRICULUM     C1.0 TO C4.0 CR
      PREREQ   500, APPROVAL OF DEPT ADVISOR
               + CONSENT OF INSTRUCT
    1     TO BE ARRANGED
575B  IND RES SUPERVISION    C1.0 TO C4.0 CR
      PREREQ   500, APPROVAL OF DEPT ADVISOR
               + CONSENT OF INSTRUCT
    1     TO BE ARRANGED
575C  IND RES BUILDINGS      C1.0 TO C4.0 CR
      PREREQ   500, APPROVAL OF DEPT ADVISOR
               + CONSENT OF INSTRUCT
    1     TO BE ARRANGED
575D  IND RES FINANCE        C1.0 TO C4.0 CR
      PREREQ   500, APPROVAL OF DEPT ADVISOR
               + CONSENT OF INSTRUCT
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    1    TC BE ARRANGED
575E  IND RES SCHOOL LAW        C1.C TO C4.0 CR
       PREREQ   50C, APPRCVAL OF DEPT ADVISOR
                + CONSENT OF INSTRUCT
    1    TC BE ARRANGED
575F  IND RES COMPAR EDUC       C1.C TO C4.0 CR
       PREREQ   50C, APPRCVAL OF DEPT ADVISOR
                + CONSENT OF INSTRUCT
    1    TC BE ARRANGED
575G  IND RES HIST EDUC         C1.C TO C4.0 CR
       PREREQ   50C, APPRCVAL OF DEPT ADVISOR
                + CONSENT OF INSTRUCT
    1    TC BE ARRANGED
575H  IND RES PHIL EDUC         C1.C TO C4.0 CR
       PREREQ   50C, APPRCVAL OF DEPT ADVISOR
                + CONSENT OF INSTRUCT
    1    TC BE ARRANGED
575J  IND RES ADMIN             C1.C TO C4.0 CR
       PREREQ   50C, APPRCVAL OF DEPT ADVISOR
                + CONSENT OF INSTRUCT
    1    TC BE ARRANGED
576A  READINGS ADM-SUPV         C1.C TO C4.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN AND
                INSTRUCTOR
    1    TC BE ARRANGED
576B  READINGS ADM-SUPV         C1.C TO C4.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN AND
                INSTRUCTOR
    1    TC BE ARRANGED
576C  READINGS ADM-SUPV         C1.C TO C4.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN AND
                INSTRUCTOR
    1    TC BE ARRANGED
591   SEM-SCC + PHIL FOUN              C2.0 CR
       PREREQ   ADVANCED STANDING
    1    09.30-11.20        W       WHAM    301A MCKENZIE WILLIAM
592   DOCT SEM CULT FOUND              C4.0 CR
       PREREQ   591
    1*   09.30-11.20      T TH      WHAM    301A MCKENZIE WILLIAM
596   IND INVESTIGATION       C5.C TO C9.0 CR
    1    TC BE ARRANGED
597   THESIS                  C1.C TO C3.C CR
    1    TC BE ARRANGED
600   DISSERTATION            C1.C TO 48.0 CR
    1    TC BE ARRANGED
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Elementary Education (ELED)

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100   INTRC TC ELEM EDUC               C3.0 CR
    1    07.30-08.20      M W  F    WHAM    206  RANDOLPH VICTOR
    2*   08.30-09.20      MTWTHF    WHAM    205
101   DEVEL RDING-LRN SKL              C2.0 CR
    1    08.30-09.20      M W  F    WHAM    114
    2    10.30-11.20       T   F    WHAM    114
    3    11.30-12.20      M W  F    WHAM    114
    4    11.30-12.20      M W  F    WHAM    114
    5    01.30-02.20      M W  F    WHAM    114
    6    02.30-03.20      M W  F    WHAM    114
    7    03.30-04.20      M W  F    WHAM    114
203   UNDRSTD EL SCH CHLD              C3.0 CR
       PREREQ   GSB 201C
    1    01.30-02.20      M W  F    WHAM    302  LEE
314   ELEM SCHOOL METHODS              C4.0 CR
       PREREQ   GUID 305
    1    07.30-08.20      MTWTH     WHAM    203  BROD ERNEST E
      EL ED MAJORS ONLY
    2*   08.30-09.20      MTWTHF    WHAM    206  RANDOLPH VICTOR
      EL ED MAJORS ONLY
    3*   01.30-02.20      MTWTHF    WHAM    203  LINDBERG
      EL ED MAJORS ONLY
    4    02.30-03.20      MTWTH     WHAM    228  LINDBERG
      EL ED MAJORS ONLY
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316 KINDER PRIMARY METH C4.0 CR
PREREQ GUID 305
1* 09.30-10.20 MTWTHF WHAM 203 ZIMNY BILLIE
337 READING IN ELEM SCH C4.0 CR
PREREQ 314
1 09.30-10.20 MTWTHF WHAM 210 RAGSDALE TED R
2* 10.30-11.20 MTWTHF WHAM 203 BROD ERNEST E
350 KIND PRI STUD TCH C4.0 TO 16.0 CR
1 TO BE ARRANGED
351 EL STUDENT TCH C4.0 TO 16.0 CR
1 TO BE ARRANGED
GENERAL
2 TO BE ARRANGED
ART
3 TO BE ARRANGED
E M H
4 TO BE ARRANGED
MUSIC
5 TO BE ARRANGED
P E
6 TO BE ARRANGED
P H
7 TO BE ARRANGED
SP C
8 TO BE ARRANGED
SP ED
375 READINGS IN EL ED C2.0 TO C3.0 CR
1 TO BE ARRANGED SLOAN FRED A JR
401 PROBLEMS IN READING C2.0 TO C4.0 CR
1* 12.30-02.20 MTWTHF WHAM 210 RAGSDALE TED R
JUNE 23-JULY 3
411 SEM - INSTRUCTION C4.0 CR
1* 12.30-01.20 MTWTHF WHAM 317 LINDBERG
413 CHILDRENS LIT C4.0 CR
PREREQ GUID 305
1 12.30-02.30 MTWTHF WHAM 321 MATHIAS
JUNE 23-JULY 11
415 IMPR ARITH ELEM SCH C2.0 TO C4.0 CR
PREREQ MATH 210 OR CONSENT OF INSTR
1* 10.30-11.20 MTWTHF WHAM 208 BEATTIE IAN C
431 ED FOR DISADV CHILD C2.0 TO C4.0 CR
PREREQ 337
1* 03.30-04.20 MTWTHF WHAM 203 SLOAN FRED A JR
433 WORKSHOP KIND PRI C4.0 CR
1* 08.30-11.20 MTWTHF WHAM 201 BAKER+ZIMNY
JUNE 23-JULY 11-RESTR TO STDS WHO HAVE
HAD STUD TCHNG
441 WKSHP-EL SCH SCI C4.0 CR
1 12.30-02.20 MTWTHF WHAM 205 TOMERA HUNGERFORD
JUNE 23-JULY 11 RESTR TO STDTS WHO HAVE
HAD 314
442 TEACH EL SCH SCI C4.0 CR
1 07.30-08.20 MTWTHF WHAM 305 TOMERA
RESTRICTED TO STUDENTS WHO HAVE HAD 314
445 PAR INVOLVE IN EDUC C4.0 CR
PREREQ STUDENT TEACHING OR CONSENT OF
INSTRUCTOR
1 10.30-11.20 MTWTHF WHAM 206 ZIMNY BILLIE
ALTERNATE PREREQ 314
490 ECON ED IN ELEM SCH C2.0 TO C3.0 CR
1* 02.30-03.20 MTWTHF WHAM 203
505 READING IN ELEM SCH C4.0 CR
1* 08.30-09.20 MTWTHF WHAM 203 BROD ERNEST E
2* 09.30-10.20 MTWTHF WHAM 114 HILL
507 READINGS IN READING C2.0 TO C4.0 CR
PREREQ 505 AND CONSENT OF INSTRUCTOR
1 TO BE ARRANGED OUSENBERY
509 PRACTICUM IN READ C4.0 TO C8.0 CR
PREREQ 521A,B,AND C, + CONSENT OF
INSTRUCTOR
1 TO BE ARRANGED FISHCO
2 TO BE ARRANGED OUSENBERY

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515   PROB ARITH ELEM SCH              C4.C CR
       PREREQ   415 CR CONSENT OF INSTRUCTOR
    1*   08.30-09.20      MTWTHF    WHAM     210  BEATTIE IAN C
516   INTERN IN READING        C4.C TO 12.0 CR
       PREREQ   521A, B, AND C, + CONSENT OF
                INSTRUCTOR
    1    TO BE ARRANGED
518   SUP OF ST TEACH                  C2.0 CR
    1    08.30-09.20      MTWTHF    PULL      43  CASEY JOHN P
      JUNE 22-JULY 17
519   READINGS-ELEM MATH       C2.C TO C4.C CR
       PREREQ   415, 515
    1    TO BE ARRANGED                           BEATTIE
520   DIAG ELEM MATH DISA              C4.C CR
       PREREQ   515 CR CONCURRENT REGISTRATION
    1    TO BE ARRANGED                           BEATTIE
521A  DIAG-CCR READ DISAB              C4.C CR
       PREREQ   505, CR CONCURRENT REGISTRAT.,
                AND TEACHING EXPER.
    1*   TO BE ARRANGED
      TCHR CORPS STDS ONLY
    2*   11.30-12.20      MTWTHF    WHAM     137  FISHCC
      TAKE AS UNIT WITH B+C-STUDENT MAY TAKE
      NOTHING ELSE
521B  DIAG-CCR READ DISAB              C4.C CR
       PREREQ   521A
    1*   TO BE ARRANGED
      TCHR CORPS STDS ONLY
    2*   12.30-01.20      MTWTHF    WHAM     137  FISHCC
      TAKE AS UNIT WITH A+C-STUDENT MAY TAKE
      NOTHING ELSE
521C  DIAG-CCR READ DISAB              C4.C CR
       PREREQ   521B
    1*   TO BE ARRANGED
      TCHR CORPS STDS ONLY
    2*   01.30-02.20      MTWTHF    WHAM     137  FISHCC
      TAKE AS UNIT WITH A+B-STUDENT MAY TAKE
      NOTHING ELSE
537   KIND-PRI READING                 C4.C CR
       PREREQ   337 CR CONSENT OF INSTRUCTOR
    1*   01.30-02.20      MTWTHF    WHAM     212      BAKER REBECCA
541   PROB EL SCH SCI                  C4.C CR
       PREREQ   441 CR 442 CR CONSENT OF INSTR
    1*   09.30-10.20      MTWTHF    WHAM     208  HUNGERFORD
542   LANG ARTS IN EL SCH      C1.C TO C4.C CR
    1*   10.30-11.20      MTWTHF    WHAM     210  RAGSDALE TED R
543   SOC STUD IN EL SCH               C4.C CR
    1*   11.30-12.30      MTWTHF    WHAM     206  RANDOLPH VICTOR
557   ELEM PRINCIPALSHIP               C4.C CR
    1*   09.30-10.20      MTWTHF    WHAM     212  BRADFIELD LUTHER
560   KIND-PRI ED                      C4.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1*   08.30-09.20      MTWTHF    WHAM     208  BAKER
561   ELEM SCH CURR                    C4.C CR
    1*   09.30-10.20      MTWTHF    WHAM     206  LEE J MURRAY
575A  IND RES CURRICULUM       C2.C TO C4.C CR
    1    TO BE ARRANGED                           LEE J MURRAY
575B  IND RES SUPERVISION      C2.C TO C4.C CR
    1    TO BE ARRANGED                           BRADFIELD LUTHER
575C  IND RES LANG ARTS        C2.C TO C4.C CR
    1    TO BE ARRANGED                           RAGSDALE TED R
575D  IND RES SCIENCE          C2.C TO C4.C CR
    1    TO BE ARRANGED                           HUNGERFORD
575E  IND RES READING          C2.C TO C4.C CR
    1    TO BE ARRANGED                           HILL MARGARET
575F  IND RES SOC STUD         C2.C TO C4.C CR
    1    TO BE ARRANGED                           RANDOLPH VICTOR
575G  IND RES ELEM ED          C2.C TO C4.C CR
    1    TO BE ARRANGED                           SLOAN FRED A JR
575H  IND RES ARITHMETIC       C2.C TO C4.C CR
    1    TO BE ARRANGED                           BEATTIE
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575J IND RES PROB IN K-P 02.C TO C4.C CR
1 TO BE ARRANGED BAKER REBECCA E
596 INDEPENDENT INVEST 05.C TO C9.0 CR
1 TO BE ARRANGED LEE J MURRAY
599 THESIS 03.C TO C9.C CR
1 TO BE ARRANGED
600 DISSERTATION 01.C TO 48.C CR
1 TO BE ARRANGED LEE J MURRAY
2 TO BE ARRANGED SLOAN FRED A JR
3 TO BE ARRANGED HILL MARGARET

Engineering (ENGR)

100 ORIENTATION 02.0 CR
1 03.30-04.20 T TH TECH A 111
222 DIGITAL COMP PROG 03.0 CR
PREREQ MATH 111B
1* 07.30-08.20 MT TH TECH A 111
08.30-09.20 T TH WHAM 24
2* 07.30-08.20 MT TH TECH A 111
09.30-10.20 T TH WHAM 24
3* 07.30-08.20 MT TH TECH A 111
02.30-03.20 M F WHAM 24
4* 07.30-08.20 MT TH TECH A 111
03.30-04.20 M F WHAM 24
5* 07.30-08.20 MT TH TECH A 111
08.30-09.20 T TH WHAM 24
6* 07.30-08.20 MT TH TECH A 111
09.30-10.20 T TH WHAM 24
7* 07.30-08.20 MT TH TECH A 111
02.30-03.20 M F WHAM 24
8* 07.30-08.20 MT TH TECH A 111
03.30-04.20 M F WHAM 24
260A ANAL MECHANICS 03.0 CR
PREREQ CONCURRENT ENROLLMENT IN MATH 15CB
1 02.30-03.20 MTWTHF TECH A 308
01.30-02.20 T TECH A 308
JUNE 22-JULY 28
260B ANAL MECHANICS 03.0 CR
PREREQ ENGR 26CA
1 02.30-03.20 MTWTHF TECH A 308
01.30-02.20 T TECH A 308
JULY 29-SEPT 4
311A ENGR MATERIALS 03.0 CR
PREREQ ENGR 26CC
1 12.30-01.20 MT THF TECH A 222
07.30-10.20 M W TECH D 14
JUNE 22-JULY 28
311B ENGR MATERIALS 03.0 CR
PREREQ ENGR 311A
1 12.30-01.20 MT THF TECH A 222
07.30-10.20 M W TECH D 14
JULY 29-SEPT 4
311C ENGR MATERIALS 03.0 CR
PREREQ CHEM 121B
1 10.30-11.20 M WTH TECH B 143
313A FLUID MECHANICS 03.0 CR
PREREQ ENGR 26CC
1 11.30-12.20 MTWTHF TECH D 14A
12.30-01.20 W TECH D 14A
JUNE 22-JULY 28
313B FLUID MECHANICS 03.0 CR
PREREQ ENGR 313A
1 11.30-12.20 MTWTHF TECH D 14A
12.30-01.20 W TECH D 14A
JULY 29-SEPT 4
412A ENGR PRACTICE 03.0 CR
PREREQ ENGR 222, MATH 252A
1 01.30-02.20 M W F TECH A 208
430 SPECIAL PROBLEMS 02.C TO C8.C CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED

* June 22—August 14

435A ELECTRONICS C3.0 CR
PREREQ ENGR 331B
1 01.30-04.20 M W F TECH A 41C
450 FUND REACTIVE SYST C4.0 CR
PREREQ CHEM 121B + ENGR 300A OR CONSENT OF INSTRUCTOR
1 02.30-03.20 M W F TECH A 20E
02.30-04.20 T TECH B 42
570 SPECIAL INVESTIGAT C2.C TO C6.C CR
1 TO BE ARRANGED
580 SEMINAR C1.C TO C9.0 CR
1 TO BE ARRANGED
599 THESIS C1.C TO C9.C CR
1 TO BE ARRANGED

Engineering Technology (E T)

100 ORIENTATION C2.0 CR
1 03.30-04.20 T TH TECH A 111
102A GRAPHIC COMMUNICAT C3.0 CR
1 09.30-10.20 T TECH A 111
09.30-11.20 W F TECH A 207
2 09.30-10.20 T TECH A 111
09.30-11.20 W F TECH A 219
3 09.30-10.20 T TECH A 111
02.30-04.20 W F TECH A 207
4 09.30-10.20 T TECH A 111
02.30-04.20 W F TECH A 219
102B GRAPHIC COMMUNICAT C3.0 CR
PREREQ E T 102A
1 09.30-10.20 W TECH A 111
09.30-11.20 M TH TECH A 207
102C GRAPHIC COMMUNICAT C3.0 CR
PREREQ E T 102B
1 02.30-03.20 W TECH A 111
02.30-04.20 M TH TECH A 207
260A ANALYTIC MECHANICS C3.0 CR
PREREQ MATH 150B OR CONCURRENT ENROLLMENT
1 10.30-11.20 MTWTHF TECH A 32C
11.30-12.20 W TECH A 32C
JUNE 22-JULY 28
260B ANALYTIC MECHANICS C3.0 CR
PREREQ E T 260A
1 10.30-11.20 MTWTHF TECH A 32C
11.30-12.20 W TECH A 32C
(JULY 29 - SEPT 4)
260C ANALYTIC MECHANICS C3.0 CR
PREREQ E T 260B
1 10.30-11.20 M W F TECH A 22C
304A ELECTRICAL CIRCUITS C3.0 CR
PREREQ MATH 150B OR CONCURRENT ENROLLMENT
1 11.30-12.20 T TH TECH C 104
01.30-03.20 M W F TECH C 104
304B ELECTRICAL CIRCUITS C3.0 CR
PREREQ E T 304A
1 11.30-12.20 T TH TECH C 104
01.30-03.20 M W F TECH D 104
(JULY 29 - SEPT 4)
311A ENGR MATERIALS C3.0 CR
PREREQ E T 260C
1 12.30-01.20 MT THF TECH A 111
01.30-04.20 T TH TECH D 14
2 12.30-01.20 MT THF TECH A 111
08.30-11.20 T TH TECH D 14
JUNE 22-JULY 28
311B ENGR MATERIALS C3.0 CR
PREREQ E T 311A
1 12.30-01.20 MT THF TECH A 111
01.30-04.20 T TH TECH D 14

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    2     12.30-01.20      MT THF    TECH A   111
          08.30-11.20       T TH     TECH D    14
        (JULY 29 - SEPT 4)
313A  EL HEAT PCWER                      C4.0 CR
        PREREQ   MATH 15CA
    1     03.30-04.20      MTWTH     TECH A   22C
318A  HYDRAULICS                         C3.C CR
        PREREQ   E T 26OC
    1     07.30-08.20      MTWTHF    TECH D    14A
          08.30-09.20        W       TECH D    14A
    2     09.30-10.20      MTWTHF    TECH D    14A
          08.30-09.20           F    TECH D    14A
        JUNE 22-JULY 28
318B  HYDRAULICS                         C3.0 CR
        PREREQ   E T 318A
    1     07.30-08.20      MT THF    TECH D    14A
          08.30-11.20       T TH     TECH D    14A
    2     08.30-09.20      M W  F    TECH D    14A
          07.30-08.20        W       TECH D    14A
          01.30-04.20       T TH     TECH D    14A
        JULY 29-SEPT 4
363A  SURVEYING                          C4.C CR
        PREREQ   MATH 111B, E T 1C2B
    1     03.30-04.20      M W       TECH A   111
          07.30-10.20      MT        TECH A   319
    2     03.30-04.20      M W       TECH A   111
          01.30-04.20       T TH     TECH A   319
430   SPECIAL PRCBLEMS       C2.C TC C8.0 CR
        PREREQ   CCNSENT OF CCCRDINATCR
    1     TC BE ARRANGED
465A  INDUSTRIAL SAFETY                 C4.C CR
        PREREQ   JR STANDING
    1     02.30-03.20      MTWTH     TECH A   42C
570   SPECIAL INVESTIGAT     C2.C TO C6.C CR
    1     TC BE ARRANGED
580   SEMINAR                C1.C TO C9.C CR
    1     TC BE ARRANGED
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English (ENG)

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300A  GRAMMATICAL ANAL                   C3.C CR
    1     07.30-08.20      MT TH     072C     116
    2     09.30-10.20      MT TH     072C     116
    3     11.30-12.20       T THF    072C     114
300B  GRAMMATICAL ANAL                   C3.0 CR
        PREREQ   ENG 300A
    1     09.30-10.20       T THF    072C     117
302B  ENG LIT 1550-1750                  C4.0 CR
        PREREQ   REQUIRED CF STUDENTS WITH
                 CONCENTRATION IN ENG
    1     08.30-09.20      MT THF    AG       188
    2     12.30-01.20      MT THF    072C     117
302C  ENG LIT-AFTER 175C                 C4.0 CR
        PREREQ   REQUIRED CF STUDENTS WITH
                 CONCENTRATION IN ENG
    1     11.30-12.20      MT THF    072C     117
309A  AMER LIT-TC 1860                   C4.C CR
    1     10.30-11.20      MT THF    072C     117
309C  AM LIT 1914-PRESENT                C4.0 CR
    1     01.30-02.20      MT THF    072C     117
390   ADVANCE CCMPCSITICN                C3.0 CR
        PREREQ   C AVERAGE IN GSD 1C1, 102
                 AND GSC 103
    1     10.30-11.20      M WTH     072C     118
    2     11.30-12.20      MT TH     072C     118
    3     02.30-03.20      MT TH     072C     117
400   INTRC-STRUCT LINGUI                C4.0 CR
    1     01.30-02.20      MT THF    072C     118  FRIEND
403   HIST - ENG LANGUAGE                C4.C CR
    1     08.30-09.20      MT THF    072C     117  RAINBCW
404C  MID ENG LIT-CHAUCER                C4.0 CR
    1     02.30-03.20      MT THF    072C     116  HATTCN
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412B 17C ENG LIT-NCN DR C4.C CR
PREREQ MAY BE TAKEN SINGLY
1 10.30-11.20 MT THF H EC 122 WEST
421A ENG POET-EARLY ROM C4.C CR
1 10.30-11.20 MT THF 072C 116 BENZINGER
454B ENG FICT-VICT NCVEL C4.C CR
1 07.30-08.20 MT THF H EC 201 PARTLCW ROBERT B J
458B AMER FICT - CONTEMP C4.C CR
1 11.30-12.20 M WTHF 072C 109 PIPER
464 MODERN CONT DRAMA C4.C CR
1 08.30-09.20 MT THF 072C 109 RAIZIS BYRON M
471A SHAKESPEARE C4.C CR
1 12.30-01.20 MT THF 072C 114 DONOW HERBERT S
471B SHAKESPEARE C4.C CR
1 09.30-10.20 MT THF 072C 114 BROWN
486 HIGH SCHOOL ENGLISH C2.C TO C8.C CR
1 02.30-04.20 M W 072C 114 EVANS WILLIAM H
487 JR-HIGH SCHOOL ENG C2.C TO C8.C CR
1 02.30-04.20 M W 072C 114 EVANS WILLIAM H
495B LIT CRITICISM-MOD C4.C CR
1 10.30-11.20 MT THF 072C 114 RUDNICK
497C HONORS ENGLISH C4.C CR
1 TO BE ARRANGED
499 READINGS IN ENGLISH C2.C TO C6.C CR
PREREQ NO MORE THAN 4HRS MAY BE TAKEN IN ANY ONE QUARTER
1 TO BE ARRANGED
500 M + M ENG RESEARCH C2.C CR
1 07.30-08.20 T TH 072C 114 RAINBOW RAYMOND S
513 STUD 17 C ENG LIT 04.C TO 12.0 CR
PREREQ CONSENT OF DEPT
1 11.30-01.20 T TH 072C 116 SCHULTZ HOWARD
TOPIC-MILTON
514B EARLY 18TH C LIT 04.C TO C8.C CR
1 07.30-09.20 T TH 072C 118 SCHONHORN MANU
TOPIC-EARLY FICTION
537 STUD 20TH C AM WR C4.C CR
PREREQ CONSENT OF DEPT
1 09.30-11.20 M W 072C 101 PIPER
TOPIC-FAULKNER
540 STUDIES-LINGUISTICS C2.C TO C8.C CR
PREREQ ENG 400 OR EQUIVALENT, CONSENT OF INSTRUCTOR
1 10.30-12.20 T TH 0721 101 KATRANIDES
555 STUD VIC NOVEL 04.C TO 12.0 CR
PREREQ CONSENT OF DEPT
1 09.30-11.20 T TH 072C 108 PARTLOW
VICTORIAN NOVEL OF SOCIAL PROTEST
566 STUD IN SHAKESPEARE 04.C TO 12.0 CR
PREREQ CONSENT OF DEPT
1 07.30-09.20 M W 072C 108 GRIFFIN
TOPIC-TRAGEDIES
569 SEM-SPEC PROBLEMS C4.C CR
PREREQ RESTRICTED TO ENGLISH AS A FOREIGN LANG STUDENTS
1 08.30-10.20 M 072C 118 PARISH CHARLES
08.30-10.20 TH 0721 101
2 08.30-10.20 T F 0721 101 REDDEN JAMES E
581B LINGUISTICS IN H S C4.C CR
1* 11.30-01.20 T TH 072C 108 APPLEBY
581C LIT IN HIGH SCHOOL C4.C CR
1 11.30-01.20 M W 0721 101 EVANS
597 READ-LINGUISTICS 02.C TO C6.C CR
PREREQ ENG 400 OR EQUIVALENT-CONSENT OF DEPARTMENT
1 TO BE ARRANGED
598A IND REV ENG AM LIT 01.C TO C3.C CR
1 TO BE ARRANGED
598B IND REV ENG AM LIT 01.C TO C3.C CR
1 TO BE ARRANGED
600 DISSERTATION 01.C TO 48.0 CR
1 TO BE ARRANGED

Family Economics and Management (FE & M)

300 HOME EC FOR MEN C3.C CR
1 12.30-01.20 M W F H EC 206
2 02.30-03.20 M W F H EC 206
331 MGT FAMILY RES C3.C CR
1 11.30-12.20 M WTH H EC 206
2 11.30-12.20 M W F H EC 206
332 HOME MGT PRACTICUM C4.0 CR
PREREQ 227, 331
1 TO BE ARRANGED
341 CONSUMER PROBLEMS C4.C CR
1 01.30-02.20 MTWTH H EC 206
2 01.30-02.20 MTW F H EC 206

Finance (FIN)

320 INTRO TO BUS FIN C4.C CR
PREREQ ACCT 261, ECON 215
1 08.30-09.20 MTWTHF WHAM 308 POTTER
2 10.30-11.20 MTWTHF H EC 206 POTTER ROGER E
3 11.30-12.20 MTWTHF WHAM 308 POTTER ROGER E
323 INVESTMENTS C4.0 CR
PREREQ 320 OR CONSENT OF INSTRUCTOR
1 09.30-10.20 MTWTH H EC 201 ELSAID HUSSEIN H
371 BUSINESS LAW I C4.C CR
1 01.30-02.20 TWTHF LAWSON 201 SLOVER
2 02.30-03.20 MTWTH WHAM 206 FLEERLAGE
372 BUSINESS LAW II C4.0 CR
PREREQ 371
1 12.30-01.20 MTWTH H EC 206 FLEERLAGE
373 BUSINESS LAW III C4.C CR
PREREQ 371
1 03.30-04.20 TWTHF CL 24 SLOVER

Food & Nutrition (F & N)

100 FUNDAMENT NUTRI C3.0 CR
1 07.30-08.20 M W F H EC 203 KONISHI
247C SCHOOL LUNCH PROG C2.C CR
1 09.00-04.00 MTWTHF TRLEBL 100 BECKER HENRIETTA E
JUNE 22-26
335 MEAL MANAGEMENT C4.0 CR
PREREQ F+N 256
1 10.30-11.20 T TH H EC 107 BECKER HENRIETTA E
11.30-01.20 T TH H EC 105 BECKER HENRIETTA E
371 FIELD EXPERIENCE C6.0 CR
PREREQ CONSENT OF CHAIRMAN + INSTR
1 TO BE ARRANGED BECKER HENRIETTA E
421 REC TRENDS IN FOOD C3.0 CR
PREREQ F+N 320 OR EQUIVALENT
1* 03.30-04.20 M W F H EC 212 HARPER JENNIE M
481 READINGS C2.C TO C4.0 CR
PREREQ F+N 320 + CONSENT OF CHAIRMAN
AND INSTRUCTOR
1* TO BE ARRANGED HARPER JENNIE M
572 SPECIAL PROBLEMS C2.C TO C5.0 CR
1* TO BE ARRANGED KONISHI
599 THESIS C1.C TO C9.C CR
PREREQ CONSENT OF INSTRUCTOR
1* TO BE ARRANGED KONISHI

Foreign Languages (F L)

French (FR)

161A FR FOR GRAD STUDENT CO.C CR
1 09.30-10.20 MTWTH AG 214
161B FR FOR GRAD STUDENT CO.C CR
1 09.30-10.20 MTWTH AG 214
201 INTERMEDIATE FRENCH C9.C CR
PREREQ GSC 123-9 OR GSC 123C, CR
2 YRS HIGH SCHOOL
1 09.30-11.20 MT THF WHLR 113
09.30-10.20 W WHLR 113
10.30-11.20 W 072C 121

* June 22—August 14

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201B  INTERMEDIATE FRENCH                C3.0 CR
       PREREQ   FR 201A OR EQUIVALENT
    1    11.30-12.20      M W  F   WHLR     207
         11.30-12.20        T      WCCDY    720
201C  INTERMEDIATE FRENCH                C3.0 CR
       PREREQ   FR 201B OR EQUIVALENT
    1    02.30-03.20      MT TH    WHLR     207
         02.30-03.20         W     0720     121
350   ADV COMP-AND CONV                  C4.0 CR
       PREREQ   FR 201C
    1    08.30-09.20      MTWTH    CL        25
354   INTRO LIT ANALYSIS                 C4.0 CR
       PREREQ   FR 350
    1    08.30-09.20      MTWTH    BRCWN    130
408   FRENCH CIVILIZATION                C4.0 CR
       PREREQ   350, OR CONSENT OF INSTRUCTOR
    1    09.30-10.20      MT       WHLR     203
         09.30-10.20         W     WHLR     207
         09.30-10.20           F   H EC     118
501   SEM SELC FR AUTHOR       02.0 TO 06.0 CR
    1    10.30-11.20       T TH    H EC     201  SMITH MADELEINE M
543   RESEARCH PROBLEMS        02.0 TO 06.0 CR
    1    TO BE ARRANGED
599   THESIS                   02.0 TO 09.0 CR
    1    TO BE ARRANGED

German  (GER)
161A  GER FOR GRAD STUD                  C0.0 CR
    1    12.30-01.20      MTW  F   WHLR     203
161B  GER FOR GRAD STUD                  C0.0 CR
    1    01.30-02.20      MTW  F   WHLR     214  NEUFELD A K
201   INTERMEDIATE GERMAN                C9.0 CR
       PREREQ   GSC 126-9 OR GSC 126C OR 2 YRS
                HIGH SCHOOL
    1    08.30-10.20      MT THF   WHLR     207  NEUFELD A K
         08.30-09.20         W     WHLR     207
         09.30-10.20         W     0720     121
       ACCELERATED
201C  INTERMEDIATE GERMAN                C3.0 CR
       PREREQ   GER 201B
    1    11.30-12.20      M W  F   WHLR     113  GADWAY
         11.30-12.20          TH   0720     121
304A  ADV COMP + CONVERS                 C4.0 CR
       PREREQ   GER 201C
    1    10.30-11.20      MTW  F   WHLR     203  GADWAY
401A  GOETHES FAUST                      C2.0 CR
    1    08.30-10.20       T TH    AG       218  ANDERSON
       JUNE 22-JULY 24
401B  GOETHES FAUST                      C2.0 CR
    1    08.30-10.20       T TH    AG       218  ANDERSON
       JULY 25-AUG 28
406   THE GERMAN COMEDY                  C3.0 CR
    1    11.30-12.20      M W  F   WHLR     212  ANDERSON
498   READG 19TH CT LIT        01.0 TO 02.0 CR
    1    08.30-09.20      M W      AG       218
499   READGS IN 20TH CT        01.0 TO 02.0 CR
    1    09.30-10.20         W  F  CL        25
501   SEMINAR GER AUTHOR       02.0 TO 06.0 CR
    1    TO BE ARRANGED                        HARTWIG HELLMUT J
506   ROMANTICISM I                      C2.0 CR
    1    10.30-11.20       T TH    WHLR     207  HARTWIG
543   RESEARCH PROBLEMS        02.0 TO 06.0 CR
    1    TO BE ARRANGED
599   THESIS                   02.0 TO 09.0 CR
    1    TO BE ARRANGED

Russian  (RUSS)
161   RUSS GRAD STUD                     C0.0 CR
    1    01.30-02.20      M W  F   H EC     106      SHANKOVSKY
320   READING IN RUSS LIT                C2.0 CR
    1    10.30-11.20       T TH    WHLR     212  SHANKOVSKY
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415 RUSSIAN PHONETICS C3.0 CR
PREREQ RUSS 308C
1 10.30-11.20 M W F H EC 106 SHANKOVSKY
425 SOVIET RUSSIAN LIT C3.0 CR
PREREQ RUSS 308C
1 11.30-12.20 M W F WHLR 214 SHANKOVSKY

Spanish (SPAN)

140A SPAN CONVERSATION C1.0 CR
PREREQ CONCURRENT ENRLMT IN GSD 140
1 10.30-11.20 W WHLR 212
140B SPAN CONVERSATION C1.0 CR
PREREQ CONCURRENT ENRLMT IN GSD 140
1 12.30-01.20 M H EC 202
140C SPAN CONVERSATION C1.0 CR
PREREQ CONCURRENT ENRLMT IN GSD 140
1 10.30-11.20 W WHLR 113
161A SPAN FOR GRAD STUD C0.0 CR
1 01.30-02.20 MTWTH H EC 122
161B SPAN FOR GRAD STUD C0.0 CR
1 01.30-02.20 M W WHAM 303
01.30-02.20 T TH H EC 106
201 INTERMED SPANISH C9.0 CR
PREREQ GSD 140 OR 2 YRS H.S. SPAN OR EQUIV
1 09.30-11.20 M W F H EC 203
09.30-11.20 T TECH A 308
09.30-10.20 TH H EC 203
10.30-11.20 TH 072C 121
ACCELERATED COURSE
201C INTERMED SPANISH C3.0 CR
PREREQ GSD 140 OR 2 YRS H.S. SPAN OR EQUIV
1 08.30-09.20 M W F AG 17C
08.30-09.20 TH 072C 121
ACCELERATED COURSE
220C INTER SPAN CONVER C2.0 CR
PREREQ GSD 140 OR 2 YRS H.S. SPAN OR EQUIV
1 12.30-01.20 M W WHLR 113
OPEN TO ALL 201 (S HR) +201C SUMMER STDS
310A SURVEY SPANISH LIT C3.0 CR
PREREQ SPAN 201
1 10.30-11.20 M W F WHLR 207
320A ADV COMP AND CONV C2.0 CR
1 09.30-10.20 M WTHF WHAM 137
JUNE 22-JULY 31
360 TRAVEL-STUDY MEXICO C3.0 CR
PREREQ ADVANCED STANDING IN SPANISH
1 TO BE ARRANGED
475 GEN TOPICS IN SPAN C3.0 CR
1 11.30-12.20 M W F C72C 101
500 SEMINAR LAT AM FICT C2.0 CR
1 11.30-12.20 T TH WHLR 203
501 SEMINAR SP AUTHOR C2.0 CR
1 10.30-11.20 M F WHLR 212
10.30-11.20 T TH WHLR 214
JUNE 22-JULY 31
643 RESEARCH PROBLEMS C2.0 TO C6.0 CR
1 TO BE ARRANGED
699 THESIS C2.0 TO C9.0 CR
1 TO BE ARRANGED

Forestry (FOR)

221 DENDROLOGY C4.0 CR
1 10.30-11.20 M W F AG 187
10.30-12.20 T AG 187
259 TECH IN AG + FOREST C3.0 TO 60.0 CR
PREREQ TRANSFER FROM 2 YR PROGRAM
1 TO BE ARRANGED ANDRESEN JOHN W
390 SPEC PROB IN FOREST C1.0 TO C6.0 CR
1 TO BE ARRANGED

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490   PRACTICUM                C4.C TO 16.C CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
520A  READ FOR + FOR REC       C1.C TO C6.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
520B  READINGS RES ECON        C1.C TO C6.C CR
       PREREQ   CONSENT OF INSTRUCTOR PLUS
                FOR 375 OR EQUIVALENT
    1    TO BE ARRANGED
520C  READ FOR PRO WC SCI      C1.C TO C6.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                                  MOSLEMI ALI A
575   RESEARCH                 C1.C TO C6.C CR
    1    TO BE ARRANGED
599   THESIS                   C1.C TO C9.C CR
    1    TO BE ARRANGED
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Geography (GEOG)

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300   INTRO TO GEOG                  C4.C CR
    1    10.30-12.20      M W       0483    101  HILLIARD
302   PHYSICAL GEOGRAPHY             C4.C CR
       PREREQ   GEOG 300
    1    07.30-08.20      MTWTH     C483    101  JOHNSON
306   CULTURAL GEOGRAPHY             C4.C CR
       PREREQ   GEOG 300
    1    09.30-10.20      MTWTH     0483    101  LOBB
402A  ADV PHYSICAL GEOG I            C4.C CR
       PREREQ   GEOG 302 OR CONSENT OF DEPT
    1    TO BE ARRANGED                                  JONES
      RESTRICTED TO NSF PARTICIPANTS
403A  ADV PHYS GEOG II               C4.C CR
       PREREQ   GEOG 302 OR CONSENT OF DEPT
    1    08.30-10.20       T TH    COMM   1021  JOHNSON
406A  ADV CULT GEOG I                C4.C CR
       PREREQ   GEOG 306 OR CONSENT OF DEPT
    1    10.30-12.20       T TH    0483    101  LOBB
440   READINGS-MAJORS          C2.C TO C6.C CR
       PREREQ   MAJORS ONLY
    1    TO BE ARRANGED
490C  TUTORIAL IN GEOG                 C2.C CR
       PREREQ   GEOG MAJOR AND SENIOR STANDING
    1    12.30-02.20       T         0483    101  THOMAS
515   FIELD COURSE             C4.C TO C6.C CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
530   INDEP STUDY GEOG         C2.C TO 10.C CR
    1    TO BE ARRANGED
540A  RESEARCH PHYS GEOG       C2.C TO 36.C CR
       PREREQ   GEOG 520
    1    TO BE ARRANGED
540B  RESEARCH-ECON GEOG       C2.C TO 36.C CR
       PREREQ   GEOG 521
    1    TO BE ARRANGED
540C  RESEARCH REG GEOG        C2.C TO 36.C CR
       PREREQ   GEOG 522
    1    TO BE ARRANGED
540D  RESEARCH CULT GEOG       C2.C TO 36.C CR
       PREREQ   GEOG 524
    1    TO BE ARRANGED
599   THESIS                   C3.C TO C9.C CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
600   DISSERTATION             C1.C TO 48.C CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
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Geology (GEOL)

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430   PHYSIOGRAPHIC N AM             C4.C CR
       PREREQ   GEOL 220
    1    TO BE ARRANGED                                  BELL FRANK J
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440 INDEPENDENT STUDY C1.C TO C4.C CR
PREREQ GECL 22C,221,ADVANCED STANDING
1 TC BE ARRANGED
450A FIELD GECLCGY C9.C CR
PREREQ GECL 302 ANC 315
1 TC BE ARRANGED LTGAARC
450B ADV FIELD GECLCGY C3.C CR
PREREQ GECL 45CA
1 TC BE ARRANGED LTGAARC
540 ADVANCED STUCIES C3.0 CR
PREREQ CCNSENT
1 TC BE ARRANGED
541 RESEARCH C1.C TC C9.C CR
PREREQ CCNSENT
1 TC BE ARRANGED
599 THESIS C2.C TC C9.C CR
1 TC BE ARRANGED

Government (GOVT)

231 AMERICAN NATL GCVT C4.0 CR
1 08.30-09.20 MT THF LAWSCN 131 KAHN
2 02.30-03.20 MTWTH WHAN 308
232 STATE LCCAL GCVT C4.0 CR
PREREQ 231 CR GSB 211B
1 07.30-08.20 TWTHF WHAN 112 RILEY
2 01.30-02.20 MT THF LAWSCN 101 JACKSCN
305 CEV AN CCNSTITUTICN C5.0 CR
PREREQ GCVT 231
1 07.30-08.20 MTWTHF LAWSCN 101 TURNER
321 READINGS C1.C TC C6.0 CR
PREREQ CCNSENT OF INSTRUCTOR
1 TC BE ARRANGED SAPPENFIELC
2 TC BE ARRANGED SAPPENFIELC
330 ILL GCVERNMENT C2.0 CR
PREREQ GCVT 232
1 01.30-02.20 T TH H EC 203 SAPPENFIELC
360 PUBLIC ADMIN C5.0 CR
PREREQ GCVT 231
1 12.30-01.20 MTWTHF WHAN 308 SAPPENFIELC M W
361 PRCB-PUBLIC ADMIN C3.0 CR
PREREQ GCVT 36C
1 09.30-10.20 MT TH WHAN 302 TURNER
398 GOVERNMENT AND LAW C4.C CR
PREREQ GCVT 231
1 11.30-12.20 W COMM 102C ISAKCFF
11.30-12.20 MT TH WHAN 228
420 PRESSURE GROUPS PCL C3.C CR
PREREQ #
1 09.30-10.20 M W F 0862 102 KAHN
425 BLKS+WHTS-AMER POL C4.0 CR
PREREQ GSB 211E CR GCVT 231
1 02.30-03.20 MT THF LAWSCN 221 JACKSCN
436 GCVT AND LABCR C3.0 CR
PREREQ ECCN 215,CR CCNSENT CF INSTR
1 08.30-09.20 M WTH COMM 1017 EDELMAN
466 STATE GCV ADM C3.0 CR
PREREQ GCVT 232
1 09.30-10.20 WTH 0862 101 ISAKCFF
09.30-10.20 M 0875 102
472 INTERNATICNAL CRGAN C4.0 CR
PREREQ GSB 303
1 10.30-11.20 MT THF 0862 102 ABBASS
499 SCCPE + MET CF GCVT C4.0 CR
PREREQ 20C,AND 20 HRS IN CCURSES
NUMBERED ABCVE 399
1 10.30-12.20 T TH COMM 1017
500A METH EMPIRICAL RES C3.0 CR
PREREQ GCVT 499 CR CCNSENT CF INSTR
1 08.30-09.20 M W F PHY SC 278 EVERSCN
502 SEMINAR GCVT PRCB C4.0 CR
PREREQ CCNSENT OF INSTRUCTOR
1 01.30-04.20 W COMM 2012 LEVINE
1 HR TBA WEDNESDAY

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506   POLITICAL BEHAVIOR                C4.0 CR
       PREREQ   GOVT 415 OR CONSENT OF INSTR
    1    02.30-04.20      M W       WHAM    302     MILLER
508   SEM-INTERNAL REL                  C4.0 CR
       PREREQ   CONSENT OF INSTR
    1    10.30-12.20      M W       WHAM    307     CHOL
513   SEM CONST LAW                     C4.0 CR
       PREREQ   GOVT 395 OR CONSENT OF INSTR
    1    02.30-04.20       T TH     H EC    118   NELSON
521   READINGS                 C1.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                             NELSON
    2    TO BE ARRANGED                             NELSON
530   INTERNSP PUB AFF         C4.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
595   INDIVIDUAL RESEARCH      C2.0 TO 12.0 CR
       PREREQ   GOVT 495 OR CONSENT OF INSTR
    1    TO BE ARRANGED                             NELSON
599   THESIS                   C1.0 TO C9.0 CR
       PREREQ   GOVT 495 OR CONSENT OF INSTR
    1    TO BE ARRANGED                             NELSON
600   DISSERTATION             C1.0 TO 48.0 CR
       PREREQ   MIN OF 36 HRS TO BE EARNED FOR
                DOC OF PHIL DEGREE
    1    TO BE ARRANGED                             NELSON
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Guidance and Educational Psychology (GUID)

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305   EDUC PSYCHOLOGY                   C4.0 CR
       PREREQ   GSB 201C
    1    07.30-08.20       TWTHF    LAWSON   151  BLUMENFELD GERALD
    2    12.30-01.20      MTWTH     LAWSON   141  BLUMENFELD GERALD
412   MENTAL HYGIENE                    C4.0 CR
       PREREQ   GUID 305
   1*    11.30-12.20      MTWTHF    WHAM     203  YATES J W
422A  CONST-USE EVAL INST               C4.0 CR
       PREREQ   GUID 305
   1*    07.30-08.20      MTWTHF    WHAM     208  STAFF
   2*    08.30-09.20       T THF    WHAM     201  STAFF
         08.30-09.20      M W       C861     102
   3*    09.30-10.20      MTWTHF    WHAM     312  STAFF
442   BASIC PRIN OF GUID                C4.0 CR
       PREREQ   GUID 305
   1*    12.30-02.20       T TH     WHAM     319  CODY
481   SEMINAR                  02.0 TO 12.0 CR
       PREREQ   GUID 305 AND CONSENT OF
                INSTRUCTOR + DEPT
   1*    02.30-04.20       T   F    WHAM     319
501   SPEC RESEARCH PROB       02.0 TO 12.0 CR
       PREREQ   ADVANCED STANDING + CONSENT OF
                 DEPARTMENT
    1    TO BE ARRANGED
505   INTR TO STAT METH                 C4.0 CR
   1*    07.30-08.20      MTWTHF    WHAM     312
   2*    08.30-09.20      MTWTHF    WHAM     307
   3*    09.30-10.20      MTWTHF    WHAM     228
506   ADV STATISTICAL MET               C4.0 CR
       PREREQ   GUID 505
   1*    08.30-10.20      MTWTHF    PULL      39
   2*    09.30-10.20      MTWTHF    PULL      43
507   DES + ANAL OF EXPER               C4.0 CR
       PREREQ   GUID 506
   1*    09.30-10.20      MTWTHF    PULL      39
511   ED IMPL OF LEARN TH               C4.0 CR
       PREREQ   ADVANCED STANDING
    1    01.30-03.20       W   F    PULL      43  WILLIAMS
515   PSY ASPECTS OF ED                 C4.0 CR
       PREREQ   ADVANCED STANDING
    1    10.30-12.20       W   F    WHAM     301B WILLIAMS
521B  ANAL-CLASSRM LEARNG               C4.0 CR
       PREREQ   GUID 521A
   1*    01.30-03.20      M W       WHAM     302  SULZER
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530 STANDARDIZED TEST C4.0 CR
PREREQ GUID 505
1* 10.30-12.20 T TH WHAM 301B BRADLEY RICHARD W
532A INDIV MEAS THEORY C4.0 CR
PREREQ GUID 505 AND CONSENT OF INSTR
1* 06.00-09.00 PM TH WHAM 229 DALY WILLIAM C
532B INDIV MEAS APPRAIS C4.0 CR
PREREQ GUID 532A
1 06.00-09.00 PM M WHAM 229 AMBLE BRUCE ROY
537A COUNSEL THEOR--PRAC C4.0 CR
PREREQ CONSENT OF DEPARTMENT
1* 02.30-04.20 M W WHAM 319 MEEK CLINTON ROSCOE
541 GROUP INF + GUID C4.0 CR
PREREQ GUID 442
1* 11.30-12.20 MTWTHF WHAM 317 RAMP WAYNE S
543 GUID THROUGH GROUPS C4.0 CR
PREREQ GUID 442
1* 10.30-12.20 M W WHAM 329 ALTEKRUSE
545M SEM-PSYC FOUND - ED C4.0 CR
1* 09.30-11.20 M W TECH B 20 DEICHMANN
548A PRACT IN SEC GUID C2.0 TO C4.0 CR
PREREQ GUID 537 AND CONSENT OF INSTR
1* 03.30-05.20 T TH WHAM 212
548B PRACT IN ELEM GUID C2.0 TO C4.0 CR
PREREQ GUID 537 AND CONSENT OF INSTR
1* 03.30-05.20 W F WHAM 303
548C PRAC IN COUNSELING C4.0 TO C8.0 CR
PREREQ CONSENT OF INSTRUCTOR
1* TO BE ARRANGED GRAFF
548D PRAC IN SCHOOL PSYC C2.0 TO C8.0 CR
PREREQ CONSENT OF INSTRUCTOR
1* TO BE ARRANGED SULZER
553 ORG + AD OF GUID C2.0 TO C4.0 CR
PREREQ GUID 537
1* 12.30-01.20 MTWTHF WHAM 328 GRAFF
562A HUM DEV IN ED-CHILD C4.0 CR
PREREQ ADVANCED STANDING
1* 01.30-03.30 M WHAM 329 DEICHMANN
568 TCP SEM-COUN + GUID C2.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 01.30-03.20 T TH WHAM 321 BRADLEY
580 TCP SEM-STAT + MEAS C2.0 TO 12.0 CR
PREREQ INSTRUCTORS PERMISSION
1* 09.30-12.00 M W CL 326
581 INTERN-COUNS + GUID C1.0 TO 12.0 CR
PREREQ GUID 548C
1 TO BE ARRANGED
590 SEM - BEHAV FOUNDAT C2.0 CR
PREREQ FORMAL ADMISSION TO DOCTOR OF PHIL STUDIES
1* 09.30-11.20 M WHAM 301A CODY
596 INDEP INVESTIGATION C2.0 TO 12.0 CR
PREREQ INSTRUCTORS PERMISSION
1* 03.30-05.00 T TH WHAM 112
597 INDEPENDENT STUDY C1.0 TO 12.0 CR
PREREQ CONSENT OF DEPARTMENT
1 TO BE ARRANGED
599 THESIS C3.0 TO C9.0 CR
1* TO BE ARRANGED
600 DISSERTATION C1.0 TO 48.0 CR
1* TO BE ARRANGED

Health Education (H ED)

001 H ED CONCEPTS ADV C4.0 CR
PREREQ .
1 11.30-12.20 MTWTH ARENA 119 VINCENT RAYMOND J
002S DRIVER-TRAFF SAFETY C4.0 CR
PREREQ A VALID DRIVERS LICENSE
1 07.30-08.20 MTWTH L-APS 136 DOOLEY
005 PRIN-FOUND H ED C4.0 CR
1 12.30-01.20 MTWTH ARENA 121 PHILLIPS FRANCES K

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312   EMCTICNAL HEALTH                    C4.0 CR
       PREREQ
    1    TC BE ARRANGED                                  CASEY
313S  INTRC SAFETY EDUC                   C4.0 CR
       PREREQ
    1    08.30-09.20      MTWTHF   L-APS   135  COOLEY
325   CCMM HEALTH PROB                    C3.0 CR
       PREREQ   .
    1    TC BE ARRANGED                                  MILLER
334S  FIRST AID                           C4.0 CR
       PREREQ
    1    07.30-08.20      MTWTH    ARENA   119     HARRIS EILEEN
    2    08.30-09.20      MTWTH    ARENA   119  RITZEL
    3    09.30-10.20      MTWTH    ARENA   119     SMELSER
    4    06.00-07.40 PM     WTH    GRASSY  100
350   METH MAT SCH HEALT                  C4.0 CR
       PREREQ
    1    10.30-11.20      MTWTH    ARENA   121  PHILLIPS FRANCES
356   PUBLIC HEALTH II                    C5.0 CR
       PREREQ
    1    TC BE ARRANGED                                  RICHARDSCN
401   DIS PREVENT + CONTR                 C3.0 CR
    1    11.30-12.20      MTWTH    ARENA   121  MILLER LESLIE R
415S  WKSHCP CR ED TR SAF     C3.0 TC C4.0 CR
       PREREQ   H EC 302 CR EQUIV
    1    01.30-05.00      MTWTHF   L-APS   135  RITZEL
442S  DRIV + TRAF SAFE ED                 C4.0 CR
       PREREQ   HEC 302S
    1    08.30-09.20      MTWTHF   L-APS   135  RITZEL DALE C
443S  DRIV + TRAF SAFE ED                 C4.0 CR
       PREREQ   HEC 442S
   1*    09.30-10.20      MTWTHF   L-APS   135  BRIDGES A FRANK
461   WCRKSHCP HEALTH ED      C4.0 TO C8.0 CR
       PREREQ   H ED 100 CR ITS EQUIV
    1    01.20-04.40      MTWTHF   ARENA   119  RUSSELL ROBERT D
      JULY 13-AUGUST 7
462   HEALTH ED WORKSHOP                  C4.0 CR
       PREREQ
    1    01.20-04.40      MTWTHF   ARENA   119  RUSSELL
      JULY 13-AUGUST 7
463   HEALTH ED WORKSHOP      01.0 TO C4.0 CR
       PREREQ
    1    01.20-04.40      MTWTHF   ARENA   119  RUSSELL ROBERT D
      JULY 13-AUGUST 7
471   ORG AC SCH HEALTH                   C4.0 CR
       PREREQ
   1*    07.30-08.20      MTWTHF   ARENA   121  LEFEVRE JOHN R
475S  TRAFFIC LAW ENFORCE                 C4.0 CR
       PREREQ   H ED 433S OR CONSENT OF INSTR
    1    11.30-12.20      MTWTHF   L-APS   135  BRIDGES A FRANK
490   FLD WK SCH CCMM HEA     02.0 TO C8.0 CR
       PREREQ   RESTRICTED TO MAJORS IN DEPT
   1*    TC BE ARRANGED                                  RICHARDSCN CHARL
491   H TCH-SCHOOL + COMM                 C4.0 CR
       PREREQ   H ED 305,471 CR CONSENT OF
                INSTRUCTOR
   1*    08.30-09.20      MTWTHF   PHY SC  118  VINCENT RAYMOND
500   ORG CCM FOR HTH ED                  C4.0 CR
    1    TC BE ARRANGED                                  GRISSOM
511   PRACT H ED WKSHOP                   C5.0 CR
    1    11.30-12.20      MTWTHF   ARENA   125  RUSSELL ROBERT D
      JULY 13-AUGUST 7
515   CUR LIT IN HTH ED                   C4.0 CR
    1    TC BE ARRANGED                                  RICHARDSCN
520   SPEC PROJ-HED + SAF     C4.0 TO C6.0 CR
    1    TC BE ARRANGED                                  BOYDSTON DONALD
525S  ORG-ADMN-SUP-SAF ED                 C4.0 CR
    1    10.30-11.20      MTWTHF   L-APS   135  AARON
530S  PROB RES ACCID PREV                 C4.0 CR
       PREREQ   H ED 443S, 525S CR CONSENT OF
                INSTRUCTOR
   1*    07.30-08.20      MTWTHF   L-APS   135  AARON JAMES E
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533A  HUMAN CONSERVATION                    C4.0 CR
       PREREQ   PERMISSION OF INSTRUCTOR
    1*   08.30-09.20      MTWTHF    ARENA    121  GRISSOM + RICHARDSON
533B  HUMAN CONSERVATION                    C4.0 CR
       PREREQ   H ED 533
    1    TO BE ARRANGED                                RICHARDSON + GRISSOM
597A  SEM IN HED + SAFETY                   C1.0 CR
    1    TO BE ARRANGED                                BOYDSTON DONALD N
597B  SEM IN HED + SAFETY                   C1.0 CR
    1    TO BE ARRANGED                                BOYDSTON DONALD N
597C  SEM IN HED + SAFETY                   C1.0 CR
    1    TO BE ARRANGED                                BOYDSTON DONALD N
599   THESIS                  C3.0 TO C9.0 CR
    1*   TO BE ARRANGED                                BOYDSTON DONALD N
600   DISSERTATION            C1.0 TO 48.0 CR
       PREREQ   MUST MEET MINIMUM REQ OF 36
                HRS FOR PH D DEGREE
    1*   TO BE ARRANGED                                BOYDSTON DONALD N
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Higher Education (HIED)

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510   HIGHER EDUC IN U S                    C4.0 CR
    1*   07.30-08.20      MTWTHF    WHAM     201  HAWLEY
512   HIED-SELECT NATIONS                   C4.0 CR
    1*   11.30-12.20      MTWTHF    WHAM     205  CALDWELL
513   ORGAN + ADMIN-HIED                    C4.0 CR
    1*   10.30-11.20      MTWTHF    WHAM     212  MOORE
516   COL STUDENT-CULTURE                   C4.0 CR
    1*   01.30-04.20        W       WHAM     312  CASEBEER
         08.30-09.20       T TH     H ED     201
518   COLLEGE TEACHING                      C4.0 CR
    1*   09.30-10.20      MTWTHF    WHAM     315  MOORE
522   READINGS                C1.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1*   TO BE ARRANGED
    2*   TO BE ARRANGED
    3*   TO BE ARRANGED
523A  INTERN-COLL TEACH       C1.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1*   TO BE ARRANGED                                HILL + TOLLE
523B  INTERN-STUDENT PERS     C1.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1*   TO BE ARRANGED                                CASEBEER
523C  INTERN-COLLEGE ADM      C1.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1*   TO BE ARRANGED                                MOORE
524   INDIVIDUAL STUDY        C2.0 TO C6.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1*   TO BE ARRANGED
    2*   TO BE ARRANGED
    3*   TO BE ARRANGED
535E  PROB IN CTR ADMIN                     C2.0 CR
    1*   08.30-09.20      MTWTHF    0871     101  KING
535I  JR COLLEGE ADMIN                      C2.0 CR
    1    01.30-03.20      MTWTHF    WHAM     307
     JUNE 29-JULY 10
545R  SEMINAR-SOCIOLOGY                     C3.0 CR
    1*   08.30-09.20      MTWTHF    0871     102  HAWLEY
565   COMMUNIT-JR COLLEGE                   C4.0 CR
    1*   10.30-11.20      MTWTHF    WHAM     302  TOLLE DONALD J
589   ADVANCED RESEARCH       C4.0 TO C8.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1*   TO BE ARRANGED
595   HIED SEMINAR III        C1.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1*   TO BE ARRANGED                                ROBINSON
     ADVANCED DOCTORAL STUDENTS
599   THESIS                  C1.0 TO C9.0 CR
    1*   TO BE ARRANGED
600   DISSERTATION            C1.0 TO 48.0 CR
       PREREQ   MINIMUM OF 36 HRS TO BE EARNED
                FOR DOCTOR OF PHIL
    1*   TO BE ARRANGED
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History (HIST)

322C ENG HIST-SINCE 1815 C4.C CR
1 08.30-09.20 MT THF O72C 101 CHERRY GEORGE
333A EARLY MODERN EUROPE C3.0 CR
1 12.30-01.20 M WTH WHAM 203 FALL
333C EUR HIST-20TH CENT C3.C CR
1 11.30-12.20 M W F O72C 102 MCFARLIN
352B LATIN AMER-INDEPEND C3.0 CR
1 01.30-02.20 MT TH WHAM 208 WERLICH DAVID
401B HIST OF SOUTH C3.0 CR
1 10.30-11.20 T THF LAWSON 221 MURPHY
1850-1900
409B US CONSTITUT HIST C3.C CR
1 11.30-12.20 T THF H EC 118 CARROTT
1830-1912
410 SPECIAL READINGS C2.C TO C5.0 CR
1 TO BE ARRANGED
411B U S SOC-INT-19TH C C3.0 CR
1 09.30-10.20 M W F O72C 102 ADAMS
1830-1900
420 FRENCH REVOLUTION C3.C CR
1 08.30-09.20 M WTH H EC 208 FALL
452 RESEARCH + THESIS C3.0 CR
1 08.30-09.20 T THF O72C 102 MURPHY
463B HISTORY OF FRANCE C3.0 CR
PREREQ 6 HRS OF 300 LEVEL SOC SCI CR
CONSENT OF DEPARTMENT
1 09.30-10.20 M WTH O72C 101 FALL
464B HIST GER SINCE 1815 C3.0 CR
1 11.30-12.20 T THF H EC 102 DETWILER
465B REV RUSS SINCE 1905 C3.0 CR
1 10.30-11.20 M W F O72C 102 MCFARLIN
475B DICTATORSHIP-LTN AM C3.0 CR
1 10.30-11.20 M WTH O72C 101 GARDINER
510 READING IN HISTORY C2.C TO 12.0 CR
PREREQ CONSENT OF DEPARTMENT
1 TO BE ARRANGED
512 STUDIES-MOD EUR HIS C4.C CR
PREREQ HIST 430A, B CR CONSENT OF
INSTR
1 01.30-04.20 TH PHY SC 41C DETWILER
515A SEM 20TH CEN US HIS C4.0 CR
1 12.30-02.20 W F WHAM 212 ALLEN HOWARD
518 ENG AGE GLOR REV C4.0 CR
1 09.30-10.20 M O72C 117
09.30-10.20 W F O72C 118
524A SEM AMER CONST HIST C4.C CR
1 01.30-04.20 T PHY SC 41C CARROTT
575A STUDIES-LATIN AMER C4.0 CR
1 01.30-04.20 M WHAM 301B GARDINER
599 THESIS C1.C TO C9.0 CR
1 TO BE ARRANGED
600 DISSERTATION C1.C TO 48.0 CR
1 TO BE ARRANGED

Home and Family (H & F)

571 REC RESEARCH H EC C4.0 CR
1* 12.30-02.20 MTWTHF H EC 5 JOHNSTON BETTY E
JULY 20-AUG 14
572 SPECIAL PROBLEMS C2.C TO C5.0 CR
1* TO BE ARRANGED JOHNSTON+ZUNICH
599 THESIS C2.C TO C9.0 CR
1* TO BE ARRANGED JOHNSTON+ZUNICH

Home Economics (H EC)

387 SPEC PROB-HONORS C2.C TO C8.0 CR
1 TO BE ARRANGED
388 RES + INVESTIGATION C2.C TO C8.0 CR
1 TO BE ARRANGED

Home Economics Education (HEED)

C9A PROGRAM PLANNING C3.C CR
PREREQ GUID 305, S EC 31C
1 03.30-04.20 M W F H EC 12C EDDELMAN
13 SPECIAL PROBLEMS C2.C TO C4.C CR
PREREQ .
1 TO BE ARRANGED MCCRE
RESTRICTED TO THOSE TAKING 371 CONCURREN
TLY
71 FIELD EXPERIENCE C6.C CR
PREREQ 37C
1 TO BE ARRANGED
ON SITE INNER CITY TRAINING
81 READINGS C2.C TO C6.C CR
PREREQ CONSENT OF INSTR AND CHAIRMAN
OF DEPARTMENT
1 TO BE ARRANGED
85 PRIN-PHIL VOC TEC ED C3.C CR
PREREQ STUDENT TEACHING OR CONSENT OF
DEPARTMENT
1 08.30-10.20 MTWTHF TECH A 408
JUNE 22 - JULY 17
C7 WORKSHOP C4.C CR
1 07.30-09.20 MTWTHF H EC 133 FULTS ANNA CAROL
JUNE 22 - JULY 17 WAGE EARNINGS IN HIGH
SCHOOL
2 07.30-09.20 MTWTHF H EC 133 KEENAN DOROTHY M
JULY 20-AUGUST 14 CONCEPTS AND
GENERALIZATION
3 09.30-11.20 MTWTHF H EC 133
JUNE 22-JULY 3 HOME ECON RELATED OCCUPA
4 09.30-11.20 MTWTHF H EC 133 FULTS
JULY 20 - JULY 31 PROGRAM PLAN-VOC ED
25 INTER VOC COOP ED C3.C CR
PREREQ STUDENT TEACHING
1 10.30-12.20 MTWTHF TECH A 408
71 RECENT RESEARCH C4.C CR
1 01.30-03.20 MTWTHF H EC 122A KEENAN
JULY 20-AUG 14
72 SPECIAL PROBLEMS C2.C TO C5.C CR
1 TO BE ARRANGED
73 SEM-RES IN HOME EC C1.0 CR
PREREQ CONSENT OF INSTRUCTOR
1* 03.30-04.20 TH H EC 133A
99 THESIS C2.C TO C9.C CR
1* TO BE ARRANGED FULTS
00 DISSERTATION C3.C TO 48.C CR
1* TO BE ARRANGED FULTS

Interior Design (ID)

31 INTRO TO DESIGN C3.C CR
1 10.30-12.20 M W H EC 302 GREENE
27 HOME FURNISH + INT C3.C CR
PREREQ 131 OR EQUIV OR CONSENT OF
INSTR
1 08.30-10.20 T TH H EC 302 GREENE
91C INTERMEDIATE ID C5.0 CR
PREREQ ID 391B
1 07.30-09.20 M W F H EC 304 GREEN
94 PROFESSIONAL PRACT C4.0 CR
PREREQ ID 391C OR CONSENT OF INSTR
1 02.30-03.20 MTWTH H EC 304 MORAN
96 SPECIAL PROBLEMS C2.C TO C5.C CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED

Industrial Technology (IT)

00 ORIENTATION C2.0 CR
1 03.30-04.20 T TH TECH A 111

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300A  PLASTIC PROCESS                    C4.0 CR
       PREREQ   GSA 101E
    1    03.30-04.20      M W  F   TECH A  20E
         01.30-03.20      M        TECH D   14B
    2    03.30-04.20      M W  F   TECH A  20E
         01.30-03.20           F   TECH D   14B
307   ANAL PROB IN TECH              C5.0 CR
       PREREQ   MATH 111A, B
    1    10.30-11.20      MTWTHF   TECH A  20E
314   METAL CASTING PROC             C3.0 CR
       PREREQ   MATH 111A OR EQUIVALENT
    1    01.30-02.20       T TH    TECH A  20E
         07.30-09.20         W     TECH D   14B
    2    01.30-02.20       T TH    TECH A  20E
         11.30-01.20           F   TECH D   14B
318   MATERIALS JOINING              C3.0 CR
    1    07.30-08.20      M W      TECH A  222
         07.30-09.20         TH    TECH D   14B
    2    07.30-08.20      M W      TECH A  222
         07.30-09.20           F   TECH D   14B
    3    07.30-08.20      M W      TECH A  222
         01.30-03.20         TH    TECH D   14B
319   INDUSTRIAL INTERN      C3.0 TO 24.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
325A  METAL REMOV PROCESS             C3.0 CR
       PREREQ   MATH 111A
    1    12.30-01.20      M W      TECH A  20E
         01.30-03.20         W     TECH D   14B
    2    12.30-01.20      M W      TECH A  20E
         10.30-12.20         TH    TECH D   14B
    3    12.30-01.20      M W      TECH A  20E
         01.30-03.20       T       TECH D   14E
330   METAL FORMING PROC             C3.0 CR
       PREREQ   MATH 111A
    1    08.30-09.20      M W      TECH A  21C
         08.30-10.20       T       TECH D   14B
    2    08.30-09.20      M W      TECH A  21C
         10.30-12.20       T       TECH D   14B
365   QUALITY CONTROL                C4.0 CR
       PREREQ   JUNIOR STANDING
    1    09.30-10.20      M WTHF   TECH A  222
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Instructional Materials (I M)

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308   INTRO TO CATALOGING            C4.0 CR
    1*   01.30-02.20      MTWTHF   PULLO3 180C
406   ADDL LIB MATERIALS             C4.0 CR
       PREREQ   OPEN TO JUNIORS WITH CONSENT
                OF INSTRUCTOR
    1*   02.30-03.20      MTWTHF   PULL    31E
407   BASIC REF SOURCES              C4.0 CR
    1*   11.30-12.20      MTWTHF   PULLO3 180C     CCX
413   CAT OF NON-BOOK MAT            C4.0 CR
       PREREQ   308
    1*   12.30-01.20      MTWTHF   PULL    31E     CCX
417   A-V METH IN EDUC               C4.0 CR
    1*   07.30-08.20      MTWTHF   LAWSON  121
    2*   08.30-09.20      MTWTHF   LAWSON  101
    3*   09.30-10.20      MTWTHF   LAWSON  101
    4*   10.30-11.20      MTWTHF   LAWSON  101
    5*   11.30-12.20      MTWTHF   LAWSON  201
    6*   12.30-01.20      MTWTHF   LAWSON  121
    7*   01.30-02.20      MTWTHF   LAWSON  121
    8*   02.30-03.20      MTWTHF   LAWSON  121
    9*   03.30-04.20      MTWTHF   LAWSON  121
420   SCH LIB ACT-PRACT              C4.0 CR
       PREREQ   308, 403, 405, CR 406, 407
    1*   07.30-08.20      MTWTHF   PULL    31E         FLETCHER
440   PHOTOG FOR TEACHERS            C4.0 CR
    1*   09.30-10.20      M W  F   PULL    31E     BUTTS
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445 PREP TEACH-MADE MAT C4.0 CR
PREREQ 417 CR CONSENT OF INSTRUCTOR
1* 07.30-09.20 MTWTHF PULL 307 EDWARDS SETH J
2* 10.30-12.20 MTWTHF PULL 307 EDWARDS
450 CLASSROOM TV TCHG C4.0 CR
1 08.30-10.20 MTWTHF LAWSON 101 PLANING CARL
12.30-02.20 MTWTHF LAWSON 121
AUG 17 - AUG 28
510 MASS COMM IN EDUC C4.0 CR
1* 08.30-09.20 MTWTHF PULL 316 BUTTS GORDON K
514 SUR-RES + DEV IN IM C4.0 CR
PREREQ 405, 406, 417 CR CONSENT OF INSTRUCTOR
1 09.30-10.20 MTWTHF PULL 318 FLETCHER + WENDT
546 INTEG A-V MATERIALS C4.0 CR
PREREQ 417, CONSENT OF INSTRUCTOR
1* 10.30-11.20 MTWTHF PULL 318 INGLI
554 ADMIN INST MAT CEN C4.0 CR
PREREQ 403
1* 08.30-09.20 MTWTHF PULL 318 WENDT
576 PROB INST MAT C2.0 TO C8.0 CR
PREREQ CONSENT OF INSTRUCTOR
1* TO BE ARRANGED
599 THESIS C5.0 TO C9.0 CR
1* TO BE ARRANGED
600 DISSERTATION C1.0 TO 48.0 CR
1* TO BE ARRANGED

Journalism (JRNL)

101 INTRO TO JOURN I C3.0 CR
1 09.30-10.20 M W F WHAN 308 CLAYTON CHARLES C
102 INTRO TO JOURN II C3.0 CR
1 07.30-08.20 M W F LAWSON 201 CLAYTON CHARLES C
203 THE NEWS C3.0 CR
PREREQ JRNL 101, 102 CR 345, 346
1 07.30-08.20 M F 0834 101
07.30-09.20 W 0834 101
2 10.30-11.20 M W 0834 101
10.30-12.20 TH 0834 101
301 NEWSWRIT EDIT I C3.0 CR
PREREQ JRNL 203
1 08.30-09.20 F TECH A 210 GROTTA
2 08.30-09.20 F TECH A 210 GROTTA
302 NEWSWRIT EDIT II C3.0 CR
PREREQ JRNL 203
1 08.30-09.20 M F 0834 101
07.30-08.20 T TH 0834 101
303 NEWS + EDIT III C3.0 CR
PREREQ JRNL 301 AND 302
1 08.30-09.20 TH 0834 101 GRANATO LEONARD A
330 EDITORIAL WRITING C3.0 CR
PREREQ JRNL 303
1 09.30-10.20 M W F 0869 101 STONECIPHER
345 HIST OF JOURN C3.0 CR
1 01.30-02.20 M W F TECH A 222 HART JIM ALLEE
370 PRIN OF ADVERTISING C3.0 CR
PREREQ JRNL 101, 102 CR 345, 346
1 09.30-10.20 M W F COMM 102C ROCHE
371 ADVERTISING SALES C3.0 CR
PREREQ JRNL 370
1 02.30-03.20 M W F COMM 102C ROCHE BRUCE
372 AD COPY LAYOUT PROD C5.0 CR
PREREQ JRNL 370
1 08.30-09.20 MTWTHF 0869 101
09.30-10.20 T TH 0869 101
373 ADV MEDIA + MARKETS C3.0 CR
PREREQ JRNL 370
1 12.30-01.20 M W F TECH A 310
376 ADVER CAMPAIGNS C4.0 CR
PREREQ CONSENT OF DEPT
1 01.30-02.20 TH TECH A 308 LYNN

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383A  NP PROD MANAGEMENT                C3.0 CR
       PREREQ   JRNL 203
    1    09.30-10.20      M WTH     0834     101  BROWN GEORGE CLR
    2    11.30-12.20      M W  F    0834     101  CROW
383B  NP PROD MANAGEMENT                C3.0 CR
       PREREQ   JRNL 383A
    1    10.30-11.20      M W  F    0869     101  BROWN GEORGE CLR
    2    12.30-01.20      M W  F    0869     101     CROW
390   ADVANCED REPORTING                C3.0 CR
       PREREQ   JRNL 303
    1    11.30-12.20      M W  F    0869     101  STARCK KENNETH
391   FEATURE WRITING                   C3.0 CR
       PREREQ   JRNL 303
    1    08.30-09.20       T        0834     101
         08.30-09.20        WTH     PHY SC   160
399   SENIOR SEMINAR                    C1.0 CR
       PREREQ   LAST QTR MAJORS
    1    11.30-12.20       T        0834     101      FRAZER MARY K
      JRNL 399 LIMITED TO GRADUATING SENIORS
422   TEACH FS JRNL /P/                 C3.0 CR
    1    12.30-01.20      TWTHF     TECH D   131
449   PRACTICUM                 C2.0 TO C8.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED                                  LONG HOWARD RUSK
532   MASS COMM THEORY                  C4.0 CR
       PREREQ   JRNL 433B OR CONSENT OF INSTR
    1    06.00-09.15 PM   T         WHAM     137
533   RESEARCH PROB-JRNL        C1.0 TO C4.0 CR
    1    TO BE ARRANGED                                  RUCKER BRYCE W
590   SEMINAR-JRNL HIST                 C3.0 CR
       PREREQ   JRNL 545 OR CONSENT OF INSTR
    1    06.00-09.00 PM    W       WHAM     212  HART JIM ALLEE
599   THESIS                    C1.0 TO C8.0 CR
    1    TO BE ARRANGED                                  RUCKER
600   DISSERTATION              C1.0 TO 48.0 CR
    1    TO BE ARRANGED                                  RUCKER
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Management (MGT)

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170   INTR TO BUS ADMIN                 C4.0 CR
       PREREQ   FRESHMEN AND SOPHOMORES ONLY
    1    11.30-12.20      MTWTHF    WHAM     202
340   BUS-ORG AND MGT                   C4.0 CR
       PREREQ   GSB 201B AND C, OR EQUIVALENT-
                JR STANDING OR CONSENT
    1    09.30-10.20      MTWTHF    LAWSON   141
345   INF SYST-COMP FUNC                C4.0 CR
       PREREQ   ACCT 261, MGT 340 OR FIN 320
                OR MKT 301, OR CONSENT
    1    09.30-11.20      M W       AG       224
361   RESEARCH IN BUS ADM               C4.0 CR
       PREREQ   MGT 340, GSC 102, 103, GSD 110
                 OR EQUIV OR CONSENT
    1    02.30-04.20      M         CL        24
         02.30-04.20        W       CL       109
380   PRODUCTION MGT                    C4.0 CR
       PREREQ   MGT 340,345, MATH 150A OR
                EQUIV. OR CONSENT
    1    12.30-02.20      M    F    CL       109
385   PERSONNEL MGT                     C4.0 CR
       PREREQ   MGT 340, GSC 110 OR EQUIVALENT
                , OR CONSENT OF INSTR
    1    07.30-09.20       T        PHY SC   116
         07.30-09.20         TH     LAWSON   131
430   ORGANIZ BEHAVIOR I                C4.0 CR
       PREREQ   MGT 340, GSC 110 OR EQUIVALENT
                , OR CONSENT OF INSTR
    1    12.30-02.20       T TH     H EC     102
440   THE MGT PROCESS                   C4.0 CR
       PREREQ   MBA STUDENT
    1    TO BE ARRANGED
      MTS WITH MGT 340 PLUS ONE SEPARATE SESS
      PER WEEK
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52 BUS OPERATIONS ANAL C4.0 CR
PREREQ MGT 340, 451 OR MATH 150 OR GSB 110,EQUIV.OR CONS.
1 10.30-12.20 W F WHAM 228
74 MGT RESP IN SOCIETY C4.0 CR
PREREQ MGT 340, SR STANDING OR CONSENT OF INSTR
1 07.30-09.20 W F WHAM 303
79 PROBS BUS AND ECON C4.0 CR
PREREQ 340, ECON 215,308 OR 408 OR EQUIV, MKTG 301 OR EQ.
1 07.30-09.20 M CL 326
07.30-09.20 F CL 24
2 02.30-04.20 M F CL 109
80 REC PROB-LABOR LAW C4.0 CR
PREREQ FIN 371 OR ECON 310 OR GOVT 395,OR CONSENT OF INST
1 02.30-04.20 T TH WHAM 201
81 ADMINISTRATIVE POL C4.0 CR
PREREQ MGT 340, FIN 320, MKTG 301 OR EQUIV, + SR STANDING
1 07.30-09.20 M AG 220
07.30-09.20 W AG 188
2 09.30-11.20 T TH CL 109
3 12.30-02.20 T TH WHAM 202
85 PROBS PERS MGT C4.0 CR
PREREQ MGT 385, ECON 308 OR 408, MGT 361
1 12.30-02.20 W CL 109
12.30-02.20 F CL 326

Marketing (MKTG)

61 MKTG FUNDAMENTALS 04.0 CR
PREREQ ECON 214, ACCT 251A
1 11.30-12.20 MTWTH LAWSON 131
63 PROMOTIONAL CONCEPT C4.0 CR
PREREQ MKTG 301
1 09.30-10.20 MTWTH LAWSON 221
90 MKTG RES + ANAL C4.0 CR
PREREQ MKTG 301, ONE COURSE IN STATISTICS
1 10.30-11.20 MTWTH LAWSON 201
38 SALES MANAGEMENT C4.0 CR
PREREQ MKTG 363
1 08.30-10.20 M W WHAM 201
39 IND MARKETING MGMT C4.0 CR
PREREQ MKTG 363
1 08.30-10.20 M CL 109
08.30-10.20 W H EC 206
63 ADVERTISING MANAG C4.0 CR
PREREQ MKTG 363, MKTG 390
1 01.30-03.20 M W WHAM 201
93 MARKETING POLICIES C4.0 CR
PREREQ ACCT 261, MKTG 363, 390, PLUS 4HRS IN MKTG, SENIOR
1 10.30-12.20 M W TECH A 410

Mathematics (MATH)

11A CCL ALGEBRA TRIG C5.0 CR
PREREQ GSB 106 OR HS EQUIV
1 07.30-08.20 MTWTHF TECH A 208
2 09.30-10.20 MTWTHF TECH A 208
3 10.30-11.20 MTWTHF 0875 101
4 11.30-12.20 MTWTHF TECH A 208
5 01.30-02.20 MTWTHF TECH A 322
6 03.30-04.20 MTWTHF TECH A 308
11B CCL ALGEBRA TRIG C5.0 CR
PREREQ MATH 111A
1 07.30-08.20 MTWTHF TECH A 308
2 08.30-09.20 MTWTHF TECH A 208
3 11.30-12.20 M TECH A 320
11.30-12.20 TWTHF TECH A 310

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    4     12.30-01.20      MTWTHF    PHY SC  160
    5     02.20-03.20      MTWTHF    TECH A  220
    6     03.30-04.20      MTWTHF    TECH A  322
150A  ELEM CALC-ANAL GEOM                 C5.0 CR
       PREREQ   MATH 111B
    1     07.30-08.20      MTWTHF    TECH A  310
    2     12.30-01.20      MTWTHF    PHY SC  156
    3     02.30-03.20      MTWTHF    TECH A  310
150B  ELEM CALC-ANAL GEOM                 C5.0 CR
       PREREQ   MATH 150A
    1     08.30-09.20      MTWTHF    TECH A  320
    2     01.30-02.20      MTWTHF    TECH A  310
252A  INTER CALC-ANAL GEO                 C5.0 CR
       PREREQ   MATH 150B OR 159B
    1     09.30-10.20      MTWTHF    TECH A  310
252B  INTER CALC-ANAL GEO                 C4.0 CR
       PREREQ   MATH 252A
    1     10.30-11.20      M WTHF    TECH A  322
301   FUNDAMENTAL CONCEPT                 C3.0 CR
       PREREQ   MATH 150B
    1     12.30-01.20      M W  F    TECH A  308
305A  MATH PHYS SCIENCES                  C3.0 CR
       PREREQ   MATH 252B
    1     08.30-09.20      M WTHF    TECH A  322
          07.30-09.20       T        TECH A  322
      JUNE 22-JULY 28
305B  MATH PHYS SCIENCES                  C3.0 CR
       PREREQ   MATH 305A
    1     08.30-09.20      M WTHF    TECH A  322
          07.30-09.20       T        TECH A  322
      JULY 29-SEPT 4
310   TEACHING ELEM MATH                  C4.0 CR
       PREREQ   GSD 107
    1*    07.30-08.20      MTWTHF    PHY SC  156
    2     09.30-10.20      M WTHF    PHY SC  156
    3*    10.30-11.20      M W       TECH A  308
          10.30-11.20       T THF    TECH A  310
    4     12.30-01.20      MTWTHF    TECH A  210
321   ELEM MATRIX ALGEBRA                 C3.0 CR
       PREREQ   MATH 150A OR 140B
    1     11.30-12.20      M         PHY SC  118
          11.30-12.20        W  F    072C    103
325   INTRC-NUMBER THEORY                 C3.0 CR
       PREREQ   MATH 301 OR CONSENT OF DEPARTM
                ENT
    1     02.30-03.20      M WTH     TECH A  210
335A  CONCEPTS OF GEOM                    C3.0 CR
       PREREQ   MATH 252A, 3C1 OR CONSENT OF
                INSTR
    1     09.30-10.20      M WTHF    TECH A  308
          09.30-11.20       T        PHY SC  116
      JUNE 22-JULY 28
335B  CONCEPTS OF GEOM                    C3.0 CR
       PREREQ   MATH 335A
    1     09.30-10.20      M WTHF    TECH A  308
          09.30-11.20       T        PHY SC  116
      JULY 29-SEPT 4
421A  LINEAR ALGEBRA                     C3.0 CR
       PREREQ   MATH 252B, 3C1 OR CONSENT OF
                DEPT
    1     01.30-02.20      M WTHF    TECH A  210
          01.30-03.20       T        TECH A  210
      JUNE 22-JULY 28
421B  LINEAR ALGEBRA                     C3.0 CR
       PREREQ   MATH 421A
    1     01.30-02.20      M WTHF    TECH A  210
          01.30-03.20       T        TECH A  210
      JULY 29-SEPT 4
426A  MATH LOGIC                         C3.0 CR
       PREREQ   MATH 301 OR CONSENT OF DEPT
    1*    11.30-12.20      M WTHF    TECH A  322
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28A BCCL ALG-SWI THEORY C3.0 CR
PREREQ 301 CR CONSENT OF INSTR
1 11.30-01.20 T TECH A 41C
12.30-01.20 M WTHF TECH A 41C
JUNE 22-JULY 28

28B BCCL ALG-SWI THEORY C3.0 CR
PREREQ MATH 428A
1 11.30-01.20 T TECH A 41C
12.30-01.20 M WTHF TECH A 41C
JULY 29-SEPT 4

42 SURVEY OF GEOMETRY C4.0 CR
1* 01.30-02.20 M WHAM 326
01.30-02.20 TWTHF WHAM 329
2* 01.30-02.20 T THF WHAM 201
01.30-02.20 M W TECH A 422
NATIONAL SCIENCE FOUNDATION STDS ONLY

55C ADV MATH-PHYS SCI C3.0 CR
PREREQ MATH 305B OR CONSENT OF INSTR
1 08.30-09.20 TW F PHY SC 258

83A INTRO MATH STAT C3.0 CR
PREREQ MATH 252B
1 09.30-11.20 T TECH A 21C
10.30-11.20 M WTHF TECH A 21C
JUNE 22-JULY 28

83B INTRO MATH STAT C3.0 CR
PREREQ MATH 483A OR MATH 480A, 421A
AND CONSENT OF INSTR
1 09.30-11.20 T TECH A 21C
10.30-11.20 M WTHF TECH A 21C
JULY 29-SEPT 4

40 GROUP AND LIN TRANS C4.0 CR
PREREQ MATH 44C OR EQUIV
1* 08.30-09.20 MTWTHF TECH A 308
NATIONAL SCIENCE FOUNDATION STDS ONLY

43 PROB FOR TEACHERS C4.0 CR
PREREQ CONSENT OF DEPT CR INSTITUTE
DIRECTOR
1* 09.30-10.20 MTWTHF TECH A 32C
NATIONAL SCIENCE FOUNDATION STDS ONLY

45 INTER ANAL HS TEACH C4.0 CR
1* 10.30-11.20 MTWTHF TECH A 222
NATIONAL SCIENCE FOUNDATION STDS ONLY

50A SEMINAR IN ALGEBRA C3.0 CR
PREREQ CONSENT OF INSTR
1 01.30-02.20 M WTH TECH A 32C

50C SEMINAR IN ANALYSIS C3.0 CR
PREREQ CONSENT OF INSTR
1* 08.30-09.20 MT THF TECH D 131

50D SEM IN PROB + STAT C3.0 CR
PREREQ CONSENT OF INSTR
1* 02.30-03.20 M WTHF TECH A 322

50G SEMINAR-TOPOLOGY C3.0 CR
PREREQ CONSENT OF INSTR
1 09.30-10.20 MTWTHF PHY SC 278

92 RESEARCH-MATH EDUC C2.C TO C4.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1* 02.30-03.20 M W F WHAM 202

95A SP PROJ ALGEBRA C1.C TO 10.0 CR
1 TO BE ARRANGED

95B SP PROJ GEOMETRY C1.C TO 10.C CR
1 TO BE ARRANGED

95C SP PROJ ANALYSIS C1.C TO 10.0 CR
1 TO BE ARRANGED

95D SP PROJ PROB + STAT C1.C TO 10.C CR
1 TO BE ARRANGED

95E SP PROJ MATH EDUC C1.C TO 10.C CR
1 TO BE ARRANGED

95F SP PROJ LOGIC + FOU C1.C TO 10.C CR
1 TO BE ARRANGED

95G SP PROJ TOPOLOGY C1.C TO 10.C CR
1 TO BE ARRANGED

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599   THESIS                    C1.C TO C9.C CR
    1    TO BE ARRANGED
600   DISSERTATION              C3.C TO 18.C CR
    1    TO BE ARRANGED
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Microbiology (MICR)

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390   UNDERGRAD RES PART        C2.C TO C5.C CR
       PREREQ   4.CO GPA IN MICR AND/OR
                CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
511   RESEARCH                  C1.C TO 15.C CR
    1    TO BE ARRANGED
528   READINGS IN MICRO         C1.C TO 10.C CR
    1    TO BE ARRANGED
599   THESIS                    C3.C TO C9.C CR
    1    TO BE ARRANGED
600   DISSERTATION              C3.C TO 18.C CR
    1    TO BE ARRANGED
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Music (MUS)

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001B  SYMPHONIC BAND                    C1.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1*   03.30-05.00      T TH     H EC     14CB SIENER + KOENIGS IN
001C  STAGE BAND                        C1.C CR
       PREREQ   AUDITION
    1    TO BE ARRANGED                                STIMAN
002A  UNIVERSITY CHOIR                  C1.C CR
       PREREQ   AUDITION
    1    03.30-05.CO      M W  F    ALTG     115  KINGSBURY ROBERT
      JUNE23-JULY 29
002C  MALE GLEE CLUB                    C1.C CR
       PREREQ   AUDITION
    1    03.30-05.CO      T THF    ALTG     115  KINGSBURY ROBERT
      JUNE 23- JULY 29
003A  UNIVERSITY ORCHESTR               C1.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    03.30-05.CO      M W  F   H EC     14CB STROUD
      JUNE 23 - JULY 29
010C  CLASS APP-BRASS                   C1.C CR
    1*   TO BE ARRANGED                                LEMASTERS
010E  CLASS APP-PIANO                   C1.C CR
    1    10.30-11.20      M W      ALTG     301  BEDFORD FRANCES
    2    10.30-11.20       T TH    ALTG     301  BEDFORD FRANCES
    3    11.30-12.20      M W      ALTG     301  BEDFORD FRANCES
    4    11.30-12.20       T TH    ALTG     301  BEDFORD FRANCES
105C  THEORY OF MUSIC                   C4.C CR
       PREREQ   MUS 105B
    1    08.30-09.20      MTWTHF   ALTG     106     HUSSEY+EDDINS
140A  PRIV APP MUS-VIOLIN    01.C TO C4.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                                POULOS
    2    TO BE ARRANGED                                STRAWN
140B  PRIV APP MUS-VIOLA     C1.C TO C4.C CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                                BABER
140C  PRIV APP MUS-CELLO     C1.C TO C4.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                                STROUD
140D  PRIV APP MUS - BASS    C1.C TO C4.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                                BRANCH
140E  PRIV APP MUS-FLUTE     C1.C TO C4.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                                BOTTJE
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40F PRIV APP MUS-CBCE C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED HUSSEY GEORGE A
40G PRIV APP MUS-CLAR C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED OLDFIELD
40H PRIV APP MUS-BASSCN C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED INTRAVAIA LAWRENCE J
40I PRIV APP MUS-SAX C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED INTRAVAIA
40J PRIV APP MUS-PERCUS C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED HANES
40K PRIV APP MUS-PIANO C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED MUELLER + WERNER
2 TC BE ARRANGED BARWICK
40L PRIV APP MUS-F HORN C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED STIMAN + NADAF
40M PRIV APP MUS-TRUMP C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED LEMASTERS DONALD D
40N PRIV APP MUS-TRBONE C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED STIMAN + NADAF
40O PRIV APP MUS-TUBA C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED STIMAN + NADAF
40P PRIV APP MUS-BATONE C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED STIMAN + NADAF
40Q PRIV APP MUS-VOICE C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED KAGEFF
40S PRIV APP MUS-HARPCH C1.C TC C4.C CR
PREREC MUS CONC OR SECONDARY CONC OR CONSENT OF MUS FACULTY
1 TC BE ARRANGED BEDFORD
00 FUNDAMENTALS-MUSIC C3.0 CR
1* 09.30-10.20 MT THF ALTG 248 TAYLOR
40 PRIV APP MUS C1.C TC C4.C CR
PREREC 3 QTRS AT PREVIOUS LEVEL ON SAME INSTR OR CONSENT
(See Music 140 for listing)
00B EL METH-NON MAJ 4-6 C3.0 CR
PREREC 200 OR EQUIVALENT
1* 11.30-12.20 MT THF ALTG 248 MCHUGH
00C EL METH-NON MAJ K-3 C3.0 CR
PREREC 200 OR EQUIVALENT
1* 10.30-11.20 MT THF ALTG 248 MCHUGH
05I INSTRUMENTAL PROB C3.0 CR
1* 12.30-01.20 MT THF ALTG 106 KOENIGSTEIN NICHOLAS
09A ARRANGING 02.0 CR
PREREC 105C
1* 10.30-11.20 M W F ALTG 116 KOENIGSTEIN NICHOLAS
12A COMPOSITION C2.0 CR
PREREC 205C
1* TO BE ARRANGED OLDFIELD

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318A  CONDUCTING                          02.0 CR
    1     08.30-09.20      MTWTHF    ALTG     116  STRAWN
326A  ANALYSIS                            02.0 CR
       PREREQ   205C
    1*    11.30-12.20      MTWTH     ALTG     116  BABER
       (JUNE 23 - JULY 29)
340   PRIV APP MUS            01.0 TO 04.0 CR
       PREREQ   3 CTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
      (See Music 140 for listing)
346   OPERA WORKSHOP          02.0 TO 36.0 CR
    1     TO BE ARRANGED                          LAWRENCE MARJORI
      COURSE WILL MEET IN ARKANSAS JUNE22 JUL
      Y31
347   MUSIC THEATRE WKSHP     02.0 TO 36.0 CR
    1     08.30-12.20      MTWTHF    AG       102  TAYLOR + HANES
          07.00-10.00 PM   MTWTHF    AG       102  TAYLOR WILLIAM H
      JUNE 18-AUGUST 8
357B  MUSIC HIST + LIT                    03.0 CR
       PREREQ   MUS 105C OR CONSENT OF INSTRUC
                TOR
    1*    09.30-10.20      MTWTHF    ALTG     116  MORGAN WESLEY K
365A  CHAMBER MUS-VOCAL                   01.0 CR
    1     02.30-03.20      MTWTH     ALTG     115  KINGSBURY
      JUNE 23 - JULY 29
365B  CHAMBER MUS-STRING                  01.0 CR
    1     TO BE ARRANGED                          STRAWN
365C  CHAMBER MUS-WOODWND                 01.0 CR
    1     TO BE ARRANGED                          HUSSEY
365D  CHAMBER MUS-BRASS                   01.0 CR
    1     TO BE ARRANGED                          STIMAN + NADAF
414   COLLEGIUM MUSICUM       02.0 TO 06.0 CR
       PREREQ   MUSIC CONCENTRATION AND/OR
                CONSENT OF DEPARTMENT
    1*    TO BE ARRANGED                                MORGAN
420   MUS EDUC PRACTICUM      01.0 TO 03.0 CR
    1     TO BE ARRANGED                          MALONEY + KOENIG
      JULY 6-17
430   STAGE BAND ARRANGNG               02.0 CR
       PREREQ   309A
    1     TO BE ARRANGED                          STIMAN
440   PRIV APP MUS            01.0 TO 04.0 CR
       PREREQ   3 CTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
      (See Music 140 for listing)
444A  INTERMEDIATE COMP                   02.0 CR
       PREREQ   312C AND CONSENT OF DEPARTMENT
    1*    TO BE ARRANGED                          OLDFIELD
451   TEACH GEN CLASS MUS               03.0 CR
    1*    10.30-11.20      MT THF    ALTG     106  TAYLOR
453   CHORAL MAT + TECH                 03.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     09.00-12.00      MTWTH     H EC     140B CRAIG
          07.00-10.00 PM   MTWTH     H EC     140B CRAIG
      JUNE 28-JULY 2 -MEETS SUNDAY ALSO
468   MUSIC PRODUCTIONS       02.0 TO 12.0 CR
    1     TO BE ARRANGED                          LAWRENCE
      COURSE WILL MEET IN ARKANSAS JUNE 22-JUL
      Y 31
    2     TO BE ARRANGED                          TAYLOR
481   READINGS IN THEORY      02.0 TO 06.0 CR
    1     TO BE ARRANGED                          MUELLER + WERNER
482   READ IN HIST + LIT      02.0 TO 06.0 CR
    1*    TO BE ARRANGED                          MORGAN WESLEY K
483   READ IN MUS EDUC        02.0 TO 06.0 CR
    1*    TO BE ARRANGED                          GORDON RODERICK
    2     08.30-10.20      MTWTHF    0555     203  BOTTJE WILL G
      JULY6-17
499   INDEPENDENT STUDY       01.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED                          GORDON RODERICK
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   2    08.30-12.00      MTWTHF    0555     203  BOTTJE + OLOFIELD
        07.00-09.30 PM   MTWTHF    0555     203
     JUNE 22-JULY 3 + JULY 20-AUG 1
C1   INT GRAD ST IN MUS                 C3.0 CR
   1*   01.30-03.20      M W       LIB      217  EARWICK
C28  ANALYTIC TECHNIQUES                C2.0 CR
      PREREQ   MUS 502A
   1    12.30-01.20       T TH     ALTG     248  MEULLER + WERNER
03   MUSIC ED RESEARCH       C3.0 TO C4.0 CR
   1*   02.30-04.20       T TH     ALTG     106  GORDON RODERICK D
04   RENAISSANCE MUSIC               C3.0 CR
   1*   01.30-02.20       T TH     ALTG     248  EARWICK
        01.30-03.20            F   ALTG     248
08   20TH CENTURY MUSIC              C3.0 CR
   1    12.30-01.30      M W  F    ALTG     248  MUELLER + WERNER
09   HIST + PHIL MUS ED              C3.0 CR
   1*   11.30-12.20      MTWTHF    ALTG     106  FLOYD
     JUNE 23-JULY 29
11   ADV COMPOSITION         C2.0 TO C9.0 CR
      PREREQ   312C, 342C, AND CONSENT OF
               INSTRUCTOR
   1*   TO BE ARRANGED                                BOTTJE WILL C
0    PRIV APP MUS            C1.0 TO C4.0 CR
      PREREQ   3 QTRS AT PREVIOUS LEVEL ON
               SAME INSTR OR CONSENT
     (See Music 140 for listing)
6    ADV CONDUCTING          C2.0 TO C6.0 CR
   1    TO BE ARRANGED                                SIENER
   2    TO BE ARRANGED                                KINGSBURY ROBERT W
   3    TO BE ARRANGED                                STROUD
0    SEM-MUS EDUC            C2.0 TO C3.0 CR
   1*   01.30-03.20      M W       ALTG     106  HOUSE
6    INST ENSEMBLE           C1.0 TO 12.0 CR
   1    TO BE ARRANGED                                SIENER + STROUD
7    VOCAL ENSEMBLE          C1.0 TO 12.0 CR
   1    TO BE ARRANGED                                KINGSBURY
8    OPERA WORKSHOP          C2.0 TO 12.0 CR
   1    TO BE ARRANGED                                LAWRENCE MARJORIE
     COURSE WILL MEET IN ARKANSAS JUNE 22-JUL
     Y 31
   2    TO BE ARRANGED                                TAYLOR + HANES
8    GRADUATE RECITAL                C6.0 CR
   1    TO BE ARRANGED                                GORDON
9    THESIS                  C3.0 TO C9.0 CR
   1    TO BE ARRANGED                                GORDON RODERICK D


ilosophy     (PHIL)
0    ELEM ETHICS                     C4.0 CR
   1    01.30-02.20      MTWTH     H EC     206  HOWIE JOHN
5    BLACK SOCIAL PHIL               C3.0 CR
      PREREQ   JR STANDING OR PERMISSION OF
               DEPT
   1    02.30-03.20      M W  F    H EC     201  ALLEN
0    SPECIAL PROBLEMS        C2.0 TO C5.0 CR
      PREREQ   CONSENT OF INST REQ IN ALL
               CASES
   1    TO BE ARRANGED                                MOORE WILLIS
0    SEM METAPHYSICS                 C3.0 CR
   1    02.30-05.00       T       H EC     206  KELLEY + MCCLURE
0    GEN GRAD SEMINAR                C3.0 CR
   1    TO BE ARRANGED                                MOORE
   2    02.30-05.00         TH    H EC     206  LIU
     TOPIC-CASSIRER-PHIL OF CULTURE
   3    02.30-05.00          W    H EC     206  ALLEN
     TOPIC-PHENOMENOLOGY OF RELIGION
9    THESIS                  C2.0 TO C9.0 CR
   1    TO BE ARRANGED                                MOORE WILLIS
0    DISSERTATION            C3.0 TO 48.0 CR
   1    TO BE ARRANGED                                MOORE WILLIS
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Physical Education for Men (PEM)

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100A  M TEACH SWIMMING                    C1.C CR
       PREREQ   IF NONSWIMMER--ALSO TAKE 100A
                BEG SWIM
    1    09.30-10.20      M WTF     POOL I    11
100B  M TEACH GOLF                        C1.C CR
    1    08.30-09.20       T TH     ARENA    555  HOLDER LYNN C
100C  M TEACH TENNIS                      C1.C CR
    1    11.30-12.20       T TH     ARENA    555
100D  M TCH IND-TEAM ACT                  C1.C CR
    1    01.30-02.20      M WTF     ARENA    555
100F  M TEACH BASKETBALL                  C2.C CR
    1    10.30-11.20      MTW       ARENA    125  IUBELT GEORGE
         10.30-11.20         TH     ARENA    123
100I  M TEACH BASEBALL                    C2.C CR
    1    11.30-01.20      M W       ARENA    555  JONES
100M  M TEACH WRESTLING                   C2.C CR
   1*    07.30-09.20      M W       ARENA    555  LONG
101   ORIENT-PRACT P E                    C2.C CR
    1    07.30-08.20       T TH     ARENA    123  MARTIN MORRIS GLEN
303   KINESIOLOGY                         C5.C CR
       PREREQ   PHSL 300
    1    10.30-11.20     MTWTHF     LAWSON   121  GOOD LARRY
354   ORG-ADM PHY ED-ATHL                 C3.C CR
    1    12.30-01.20      M W  F    ARENA    125  FRANKLIN
355   ASSISTING TECH                      C2.C CR
    1    08.30-09.20          F     ARENA    123  WILKINSON JAMES
      ADDITIONAL MEETING TBA-PREREQ JR
      STANDING
370   TESTS MEAS PHY ED       C3.C TO C4.C CR
    1    09.30-10.20     MTWTH      ARENA    125  FRANKLIN
376   CARE-PREV ATH INJ                   C3.C CR
       PREREQ   PHSL 300
    1    01.30-03.20     MTWTHF     ARENA    125  SPACKMAN
      JUNE 22-JULY 17
404   TEACHING OF SPORTS      C2.C TO C4.C CR
    1    01.00-05.00     MTWTHF     ARENA    555  WILKINSON + TOWE
      JUNE 22-JUNE 26 - FOOTBALL
    2    01.00-05.00     MTWTHF     ARENA    555  WILKINSON + HARTG
      JUNE 29-JULY 3 - TRACK-FIELD
    3    03.30-05.30     MTWTHF     ARENA    555     WILKINSON + MOE
      JULY 6-JULY 17 - GYMNASTICS
407   SCI BAS ATH TRAIN                   C4.C CR
    1    10.30-12.20     MTWTHF     ARENA    125  SPACKMAN ROBERT JR
      JULY 6-AUGUST 14
420   EFFECTS MOTOR ACTIV                 C4.C CR
    1    07.30-08.20     MTWTHF     ARENA    123  ACKERMAN
   2*    08.30-09.20     MTWTHF     ARENA    125     KNOWLTON
      GRADUATES ONLY-CROSS LISTED WITH PEW
      420
475A  IND RES-DANCE           C2.C TO C4.C CR
   1*    TO BE ARRANGED
475B  IND RES-KINESIOLOGY     C2.C TO C4.C CR
   1*    TO BE ARRANGED
475C  IND RES-MEASUREMENT     C2.C TO C4.C CR
   1*    TO BE ARRANGED
475D  IND RES-MOTOR DEVEL     C2.C TO C4.C CR
   1*    TO BE ARRANGED
475E  IND RES-PHSL OF EX      C2.C TO C4.C CR
   1*    TO BE ARRANGED                    KNOWLTON
475F  IND RES-HIST + PHIL     C2.C TO C4.C CR
   1*    TO BE ARRANGED
501   CURRICULUM IN PE                    C4.C CR
   1*    07.30-08.20     MTWTHF     GYM      204  ZIMMERMAN
      CROSS LISTED WITH PEW 501
503   SEMINAR IN P E                      C4.C CR
   1*    09.30-10.20     MTWTHF     ARENA    123  SHEA EDWARD J
504   PROB IN P E                         C4.C CR
       PREREQ   500
   1*    TO BE ARRANGED
508   ADMIN INTER ATHLETC                 C3.C CR
    1    01.30-03.20     MTWTHF     ARENA    123  STOTLAR JOHN W
      JULY 6-JULY 29
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25   READING IN P E              C1.C TO C6.C CR
   1*   TC BE ARRANGED                                  SHEA EDWARD J
99   THESIS                      C1.C TO C9.C CR
   1*   TC BE ARRANGED
00   DISSERTATION                C2.C TO 48.C CR
   1*   TC BE ARRANGED
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Physical Education for Women (PEW)

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04E  TECH-TEACH SPORTS                    C2.C CR
       PREREQ   PEW 228 OR EQUIV
   1     08.30-10.20      M W       GYM      207  COTTEN SARAH ELLEN
19   TCHG ELEM SCH ACT                    C4.C CR
       PREREQ   PSYC 301 OR CLID 305
   1     08.30-09.20      MTWTH     GYM      208  STEHR JEAN
   2     09.30-10.20      MTWTH     GYM      208  CAKAK
   3     10.30-01.20      MTWTH     GYM      207  ZIMMERMAN
   4     12.30-01.20      MTWTH     GYM      208  ZIMMERMAN HELEN
55   TECH OF TEACH SWIM                   C3.0 CR
       PREREQ   PEW 211 OR EQUIV
   1     07.30-08.20      M W  F    POLL P    11  COOPER CAROL
70   TESTS MEAS PHY ED          C3.C TO C4.C CR
   1     08.30-09.20      MTWTHF    GYM      204  WEST
C4   TEACHING OF SPORTS         C2.C TO C4.C CR
   1*    11.30-12.20      MTWTHF    GYM      208      THORPE
07   SCI BAS ATH TRAIN                    C4.C CR
   1     10.30-12.20      MTWTHF    ARENA    125  SPACKMAN ROBERT R JR
     JULY 6-JULY 17,PREREQ-PHSL 300
15   WKSHP IN GYMNASTICS                  C4.C CR
   1     12.30-04.30      MTWTH     GYM      207  VOGEL
20   EFFECTS MOTOR ACTIV                  C4.C CR
   1*    08.30-09.20      MTWTHF    ARENA    125
44   CONTEMP DANCE WKSHP        C2.C TO C8.C CR
   1     01.00-05.00      MTWTHF    0813     101  GRAY WINSTON G
     JUNE 22-JULY 31
75A  IND RES-DANCE              C2.C TO C4.C CR
   1     TO BE ARRANGED
75B  IND RES-KINESIOLOGY        C2.C TO C4.C CR
   1     TO BE ARRANGED
75E  IND RES-PHSL OF EX         C2.C TO C4.C CR
   1     TO BE ARRANGED
75F  IND RES-HIST + PHIL        C2.C TO C4.C CR
   1     TO BE ARRANGED
01   CURRICULUM IN P E                    C4.C CR
   1*    07.30-08.20      MTWTHF    GYM      204  ZIMMERMAN
03   SEMINAR IN P E                       C4.C CR
   1*    09.30-10.20      MTWTHF    ARENA    123  SHEA EDWARD J
04   PROBLEMS IN PE                       C4.C CR
       PREREQ   PEW 500 OR EQUIV
   1*    TO BE ARRANGED
08   ADMIN INTER ATHLETC                  C3.C CR
   1     01.30-03.30      MTWTHF    ARENA    125  STOTLAR JOHN W
     JULY 6-JULY 29
25   READINGS                    C1.C TO C6.C CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
   1*    TO BE ARRANGED
99   THESIS                      C1.C TO C9.C CR
   1     TO BE ARRANGED                                  THORPE JOANNE LEE
00   DISSERTATION                C2.C TO 48.C CR
   1     TO BE ARRANGED
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Physics (PHYS)

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06A  COLLEGE PHYSICS                      C3.C CR
       PREREQ   MATH 111B
   1     09.30-10.20      M W  F    PARK     308
         09.30-10.20       T        PARK     308
   2     09.30-10.20      M W  F    PARK     308
         09.30-10.20         TH     PARK     308
06C  COLLEGE PHYSICS                      C3.0 CR
       PREREQ   PHYS 206B OR 206A
   1     10.30-11.20      M W  F    PARK     308
         10.30-11.20       T        PARK     308
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    2    10.30-11.20      M WTHF    PARK     308
206A  COLLEGE PHYS LAB                 C1.C CR
      PREREQ   CONCURRENT ENR IN PHYS 206
    1    09.30-12.20        TH      PHY SC  403
    2    09.30-12.20       T        PHY SC  403
206C  COLLEGE PHYS LAB                 C1.C CR
      PREREQ   CONCURRENT ENR IN PHYS 206
    1    11.30-02.20        TH      PHY SC  407
    2    11.30-02.20       T        PHY SC  458
211A  UNIVERSITY PHYSICS               C5.C CR
      PREREQ   MATH 150B (OR EQUIVALENT)
    1    07.30-08.20      M W  F    PARK     308
         07.30-08.20       T TH     PARK     308
         02.30-04.20       T        PHY SC  403
    2    07.30-08.20      M W  F    PARK     308
         07.30-08.20       T TH     PARK     309
         02.30-04.20         TH     PHY SC  403
211B  UNIVERSITY PHYSICS               C3.C CR
      PREREQ   PHYS 211A OR 211C
    1    08.30-09.20      M W  F    PARK     308
         08.30-09.20       T TH     PARK     308
         03.30-05.20       T        PHY SC  407
    2    08.30-09.20      M W  F    PARK     308
         08.30-09.20       T TH     PARK     309
         03.30-05.20         TH     PHY SC  407
300   UNIVERSITY PHYS IV               C5.C CR
      PREREQ   PHYS 111 206 OR PHYS 211
    1    10.30-11.20      MTW  F    PHY SC  410
         11.30-12.20       T        PHY SC  410
         01.30-03.20         TH     PHY SC  404
    2    10.30-11.20      MTW  F    PHY SC  410
         11.30-12.20       T        PHY SC  410
         01.30-03.20           F    PHY SC  404
304   THERMODYNAMICS                   C3.C CR
    1    12.30-01.20      M W  F    PHY SC  458
309   ELECTRIC CIRCUITS                C3.C CR
      PREREQ   PHYS 111C OR 206C OR 211C
    1    09.30-10.20      M W  F    PHY SC  458
312   ELEC CIRC LAB                    C2.C CR
      PREREQ   PHYS 309
    1    01.30-03.20       T TH     PHY SC  406
401   MECHANICS II                     C3.C CR
      PREREQ   MATH 407 AND PHYS 301
    1    02.30-03.20      M W  F    PHY SC  410
404A  PHYSICAL ELECTRONIC              C3.C CR
      PREREQ   PHYS 304, 305, AND 401 OR
               CONSENT OF INSTR
    1    09.30-10.20      M W  F    PHY SC  410
405   ELECTRONICS                      C3.C CR
      PREREQ   PHYS 305 AND 309 OR CONSENT OF
                INSTR
    1    10.30-11.20      M W  F    PHY SC  458
415A  MODERN PHYSICS                   C3.C CR
      PREREQ   MATH 407, PHYS 301 + 305B, OR
               CONSENT OF INSTR
    1    11.30-12.20      M W  F    PHY SC  458
415C  MODERN PHYSICS                   C3.C CR
      PREREQ   PHYS 415C
    1    11.30-12.20      M W  F    PHY SC  410
420   SPECIAL PROJECTS I     C2.C TO C5.C CR
      PREREQ   PHYS 301 AND 305
    1    TO BE ARRANGED
510C  CLASSICAL MECHANICS              C3.C CR
      PREREQ   PHYS 510B
    1*   08.30-09.20      M W  F    PHY SC  410
520   SPECIAL PROJECTS       C2.C TO C5.C CR
      PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575   GRAD SEMINAR           C1.C TO C4.C CR
    1    07.30-08.20 PM   TWTH     PHY SC  410
580   SEL TOPICS PHYS        C3.C TO C6.C CR
    1    TO BE ARRANGED
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99 THESIS C1.C TO C9.C CR
1 TC BE ARRANGED
00 DISSERTATION C1.C TO 48.C CR
PREREQ ADMISSION TO ADVANCED STUDY IN MOLECULAR SCIENCE
1 TC BE ARRANGED

hysiology (PHSL)

CON HUMAN ANATOMY C5.C CR
1 08.30-09.20 MTWTH PHY SC 218
09.30-11.20 T LS I 18
2 08.30-09.20 MTWTH PHY SC 218
09.30-11.20 TH LS I 18
40 ELECTRON MICROSCOPY C3.0 CR
PREREQ ADVANCED STUDENT IN NATURAL OR PHYSICAL SCIENCE
1* 07.30-08.20 M W F LS I 113
07.30-09.20 T LS I 120
2* 07.30-08.20 M W F LS I 113
07.30-09.20 TH LS I 120
50 SPECIAL PROBLEMS C4.C TO 16.0 CR
PREREQ CONSENT OF DEPT
1* 01.30-03.20 MTWTH LS I 18
99 THESIS C3.C TO C9.C CR
1* 01.30-03.20 MTWTHF LS I 111
00 DISSERTATION C4.C TO 36.0 CR
1 01.30-03.20 MTWTHF LS I 111

esidents Scholars (PR S)

99 HONORS PAPER C2.C TO C6.0 CR
PREREQ APPROVAL OF PRES SCHOL PROG + DEPT CONCERNED
1 TC BE ARRANGED
99 UNDERGRAD HON THES C3.C TO C9.C CR
PREREQ APPROVAL OF PRES SCHOL PROG + DEPTS CONCERNED
1 TC BE ARRANGED

ant Industries (PL I)

99 PRIN-FIELD CROP PRO C4.0 CR
1 08.30-09.20 MTW AG 168 ELKINS
07.30-09.20 F AG 171
01 SOIL SCIENCE C5.0 CR
PREREQ GSA 101B
1 10.30-11.20 M WTHF AG 214 CASTER
09.30-11.20 T AG 167
99 INTERN PROGRAM C3.C TO C5.0 CR
PREREQ JR STANDING
1 TC BE ARRANGED
00 SPEC STUD PLANTS C1.C TO C6.C CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TC BE ARRANGED
02 SOIL MORPH + CLASS C4.C CR
PREREQ PL I 301
1 07.30-08.20 MT TH AG 168 JONES
07.30-09.20 F AG 167
99 FORAGE CROP MANAGE C4.0 CR
PREREQ GSA 201B OR EQUIVALENT
1 10.30-12.20 MTW F AG 168 PORTZ
10.30-02.20 TH AG 171
JUNE 22-JULY 17
00 READINGS C1.C TO C6.0 CR
PREREQ CONSENT OF DEPT
1 TC BE ARRANGED
05 RESEARCH C1.C TO C6.0 CR
PREREQ CONSENT OF DEPT
1 TC BE ARRANGED
00 SPEC STUDIES-PL I C1.C TO C4.0 CR
1 03.00-04.30 MTW AG 168
99 THESIS C1.C TO C9.0 CR
1 TC BE ARRANGED

Psychology (PSYC)

211A PRIN-METH OF PSYC C4.0 CR
PREREQ GSB 201C
1 09.30-10.20 T F H EC 102 RADTKE
09.30-10.20 W H EC 106
08.30-10.20 TH PHY SC 116

211B PRIN-METH OF PSYC C4.0 CR
PREREQ 211A
1 10.30-11.20 MT H EC 104 IRWIN
09.30-11.20 F AG 220
10.30-11.20 W H EC 202

301 CHILD PSYCH C4.0 CR
PREREQ GSB 201C
1 07.30-09.20 W F LAWSON 231 SOMERVILL
2 08.30-10.20 M W WHAM 202 CONNELL JAMES P

305 PSYCH PERSONALITY C4.0 CR
PREREQ GSB 201C
1 08.30-09.20 MT THF LAWSON 221 RAYNARD RICHARD
2 12.30-01.20 M WTHF LAWSON 131 BUCK

307 SOCIAL PSYCHOLOGY C4.0 CR
PREREQ GSB 201C
1 01.30-03.20 M TH LAWSON 131 MITCHELL THOMAS

311 EXP PSYCH LEARN C4.0 CR
PREREQ PSYC 211B
1 10.30-11.20 M W F WHAM 312 SCHMECK
09.30-11.20 T H EC 118

320 INDUSTRIAL PSYCH C4.0 CR
PREREQ GSB 201C
1 09.30-10.20 MT THF TECH A 111 WESTBERG

431 PSYCOPATHOLOGY C4.0 CR
PREREQ 305 OR CONSENT OF INSTR
1 09.30-11.20 T TH H EC 140B FNATICW

440 TH OF PERSONALITY C4.0 CR
PREREQ PSYC 305 OR CONSENT OF INSTR
1 08.30-09.20 MTWTH TECH A 310 FARREN VINCENT A

451 ADVACED CHILD PSYC C4.0 CR
PREREQ PSYC 211B, AND 301 OR CONSENT
OF INSTRUCTOR
1 09.30-11.20 W F CL 109 SOMERVILL

459 PRESCHOOL WORKSHOP C4.0 CR
PREREQ CONSENT OF INSTR
1 08.15-09.15 MTWTHF H EC 122 DUNAGAN SHIRLEY E
09.30-11.45 MTWTHF 0481 202

490 INDEPEN PROJECTS C1.0 TO 16.0 CR
PREREQ CONSENT OF INSTR AND DEPT
CHAIRMAN
1 TO BE ARRANGED

516 LEARNING PROCESSES C4.0 CR
PREREQ CONSENT OF INSTR
1 07.30-09.20 M TH H EC 202 MELTZER DONALD

525 MENTAL TEST THEORY C4.0 CR
PREREQ PSYC 524
1 07.35-09.15 PM M W WHAM 329 EVANSON

531 ADV PSYCHOPATHOLOGY C4.0 CR
PREREQ PSYCH 530, 541 AND CONSENT OF
INSTRUCTOR
1* TO BE ARRANGED RINGUETTE EUGENE
2* TO BE ARRANGED SNYDER

532 EXP APP TO PERS C2.0 CR
PREREQ PSYC 530 OR CONSENT OF DEPT
1 01.30-03.20 W WHAM 317 SCHILL

579 ANIMAL BEHAVOIR C4.0 CR
PREREQ CONSENT OF INSTR
1 02.30-03.20 T TH WHAM 305 WARING GEORGE
12.30-04.20 W AG 132
CROSSLISTED WITH ZOOL 579

590 READINGS-PSYC C1.0 TO 16.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED

591 RESEARCH IN PSYC C1.0 TO 36.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED

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93E  PRACT-CLIN PSYC          01.C TO 18.C CR
      PREREQ   CONSENT OF INSTR IN CHARGE
   1    TC BE ARRANGED                              BEKKER
   2    TC BE ARRANGED                              RADER
   3    TC BE ARRANGED                              SHOEMAKER
93F  PRACT-COUNS PSYC         01.C TO 18.C CR
      PREREQ   CONSENT OF INSTR IN CHARGE
   1    TC BE ARRANGED                              FARREN VINCENT A
93H  PRACT-INDUST PSYC        01.C TO 18.C CR
      PREREQ   CONSENT OF INSTR IN CHARGE
   1    TC BE ARRANGED                              WESTBERG WILLIAM C
93J  PRACT-CHILD PSYC         01.C TO 18.C CR
      PREREQ   CONSENT OF INSTR IN CHARGE
   1    TC BE ARRANGED                              O'DONNELL
93L  PRACT-TEACHING PSYC      01.C TO 18.C CR
      PREREQ   CONSENT OF INSTR IN CHARGE
   1    TC BE ARRANGED                              CARRIER NEIL ALAN
95   ADVANCED SEMINAR         01.C TO 18.C CR
      PREREQ   CONSENT OF DEPT
   1    TC BE ARRANGED                              BRODSKY
   2    TC BE ARRANGED                              HILL
   3    TC BE ARRANGED                              LEVITT
   4    TC BE ARRANGED                              LIT
   5    TC BE ARRANGED                              O'DONNELL
   6    TC BE ARRANGED                              PITZ
   7    TC BE ARRANGED                              SCHILL
   8    TC BE ARRANGED                              VAN ATTA
   9*   01.30-04.20          F    WHAM     3018 MCHOSE
99   THESIS                   01.C TO 09.C CR
   1    TC BE ARRANGED
00   DISSERTATION             01.C TO 36.C CR
   1    TC BE ARRANGED
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adio-Television (R - T)

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51   RADIO-TV SPEAKING             04.C CR
   1    08.30-09.20      MTWTH    COMM   1046  HILDRETH RICHARD
51   SURVEY OF BROADCAST           03.C CR
   1    11.30-12.20      M W  F   COMM   1046  BARTLETT BYRON A
52   PRODUCTION ANALYSIS           03.C CR
   1    09.30-10.20      M W  F   COMM   1046  DYBVIG HOMER EUGENE
00   AUDIO CONTROL PRACT           01.C CR
   1    09.30-11.20        TH     COMM    528    HALL CHARLES J JR
01   PROGS AND AUDIENCES           05.0 CR
      PREREQ   R-T 251
   1    12.30-01.20      MTWTHF   COMM   1046  DYBVIG HOMER EUGENE
02   LAWS AND POLICIES             04.C CR
      PREREQ   R-T 251
   1    01.30-02.20      M WTHF   COMM   1046  RIMERMAN MARVIN H
03   RADIO PRODUCTION              04.0 CR
      PREREQ   R-T 260
   1    09.30-11.20       T       COMM   1016  RICHTER E WALTER
        06.30-10.00 PM    TH      COMM   1016  RICHTER E WALTER
04   TV PRODUCTION                 04.0 CR
      PREREQ   R-T 252
   1    02.30-03.20      M  THF   COMM   1015  PICTOR ROBERT R
        02.30-04.20        W      COMM   1015  PICTOR ROBERT P
13   ADV RADIO PROD LAB       01.0 TO 02.0 CR
      PREREQ   R-T 363 OR CONCURRENT ENR IN
               R-T 363
   1    03.30-04.20       T TH    COMM   1046  LYNCH CHARLES T
14   ADV TV PROD LAB          01.C TO 02.C CR
      PREREQ   R-T 364
   1    03.30-04.20      M       COMM   1046  LAFFERTY REN A
15J  IND RESEARCH PROBS       01.C TO 02.0 CR
      PREREQ   CONSENT OF INSTR
   1    11.30-12.20       T       COMM   1046  RIMERMAN MARVIN H
33   BROADCAST WRITING             04.0 CR
      PREREQ   R-T 363 AND 364
   1    07.30-08.20      M W      COMM   1016  LYNCH CHARLES T
        07.30-09.20         F     COMM   1016  LYNCH CHARLES T
33   RADIO-TV + SOCIETY            03.0 CR
      PREREQ   R-T 251, 351, 352
   1    10.30-11.20      M W  F   COMM   1046  RIMERMAN MARVIN H
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464   PUB AFFAIRS-TV PRCG                    C3.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    01.30-04.20       T          COMM    1046  RIMERMAN
475   INDIV PRODUCT PROB          C1.C TO C4.C CR
    1    11.30-12.20         TH       COMM    1046  ROBBINS
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Recreation and Outdoor Education (REC)

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201   LEISURE AND REC                        C3.C CR
    1    07.30-08.20      M W  F     PULL      43   OBRIEN WILLIAM I
310   SOCIAL RECREATION                      C3.C CR
       PREREQ   REC 201, 202
    1    10.30-12.00      M W        PHY SC   258   LUCKENBACH MICH
315   DRAMATICS IN REC                       C3.C CR
       PREREQ   REC 201, 202
    1    09.30-12.00      M W        C628     101   TAYLOR
330   CAMPCRAFT                              C3.C CR
    1    03.30-06.30        W        PARK     111   ABERNATHY WILLI
335   MUS + DANCE IN REC                     C3.C CR
       PREREQ   REC 201, 202
    1    10.30-12.00       T TH      PHY SC   258
340   REC ACT FOR SP POP                     C3.C CR
       PREREQ   REC 302
    1    12.30-01.20      M          WHAM     305
360   PLAYGND ADMIN                          C4.C CR
    1    TO BE ARRANGED                                   RIDINGER WILLIA H
380   FIELD WORK                  C1.C TO C4.C CR
       PREREQ   20HRS RECREATION
    1    TO BE ARRANGED
390   INTERNSHIP IN REC                      16.C CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED                                      ABERNATHY WI IA
425   REC AREAS AND FAC                      C3.C CR
    1    10.30-11.20      M W  F     C628     101   ABERNATHY WILLI
500   PRIN OF REC                            C4.C CR
    1    09.30-10.20      MTWTHF     PHY SC   258   OBRIEN WILLIAM
510   OUTDOOR ED WKSHP                       C4.C CR
    1    08.00-11.00      M W  F     C629     101
         08.00-04.00       T TH      C629     101
       JUNE 15- JUNE 26
    2    08.00-11.00      M W  F     C629     101
         08.00-04.00       T TH      C629     101
       JUNE 29-JULY 10
525   SPEC POP WKSHOP                        C4.C CR
    1    TO BE ARRANGED                                   FREEBURG WM H
530   REC PROGRAM WORKSHP                    C4.C CR
       PREREQ   REC 500
    1    10.30-11.20      MTWTHF     C628     101   RIDINGER WILLIA H
540   SURV + PLAN OF FAC                     C4.C CR
    1*   11.30-12.20      MTWTHF     CL        25   TAYLOR LOREN ES N
570   SEM-REC + OUT ED                       C4.C CR
    1*   TO BE ARRANGED                                   FREEBURG WM H
596   INDEPENDENT STUDY        02.0 TO C9.0 CR
    1    TO BE ARRANGED
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Rehabilitation (REHB)

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414   DEV EMP OPPORT              C1.C TO 16.0 CR
       PREREQ   SPECIAL STANDING OR CONSENT OF
                INSTR
    1    TO BE ARRANGED                                   VIECELI + DICK
490   READINGS IN REHB            C1.C TO C6.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
511   VOCATIONAL CHOICE           C2.C TO C4.0 CR
       PREREQ   CONSENT OF INSTR
    1    06.30-08.20 PM      TH       WHAM     112
537   DIAG PROC-SPEC POP                     C4.0 CR
       PREREQ   CONSENT OF INSTR
    1    12.30-02.20      M    F     PHY SC   218   COYLE FRANK A
539   BEHAVIORAL PROGRAM          C1.C TO C6.C CR
       PREREQ   REHB 520 + CONSENT OF INSTR
    1    07.30-09.15       T TH      WHAM    3018  CAMPBELL ROBER L
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541 MED ASPECT-REHB C2.C TO C4.C CR
PREREQ CONSENT OF INSTR
1 05.45-07.25 W WHAM 205 MIRANTI
567 SCH-RELATED BEHAV C4.C CR
PREREQ CONSENT OF INSTRUCTOR
1 03.30-04.20 M W WHAM 137 HOPKINS BILLY L
571 SEM IN SEL TOPICS C1.C TO C6.C CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
2 TO BE ARRANGED
576 SEM IN BEHAV MODIFI C1.C TO 12.C CR
PREREQ CONSENT OF INSTR
1 09.30-11.20 T TH H EC 122A SULZER
578 SEM IN CORR REH CC C1.C TO C6.C CR
PREREQ CONSENT OF INSTR
1 09.30-11.20 F WHAM 303 GRENFELL
585A PRACTICUM IN REHAB C1.C TO 12.C CR
1 TO BE ARRANGED LEE ROBERT EDWARD
585B PRACTICUM IN REHAB C1.C TO 12.C CR
1 TO BE ARRANGED HOPKINS BILLY L
585C PRACTICUM IN REHAB C1.C TO 24.C CR
1 TO BE ARRANGED SCHUMACHER
589 INTERNSHIP IN REHAB CO.C TO 12.C CR
PREREQ REHB 585 AND CONSENT OF DEPT
1 TO BE ARRANGED
590 INDEPENDENT PROJ C1.C TO 16.C CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED
591 RESEARCH IN REHAB C1.C TO 16.C CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED
599 THESIS C1.C TO C9.C CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED

eligious Studies (RELS)

208 BIBLICAL STUDIES C3.C CR
PREREQ JUNIOR STANDING OR CONSENT OF INSTRUCTOR
1 08.30-09.20 W F CL 105 SMITH
08.30-09.20 M WHAM 308
30C HIST WES REL THOUGH C3.C CR
PREREQ JUNIOR STANDING OR CONSENT OF INSTRUCTOR
1 02.30-03.20 T THF WHAM 317
JUNE 22-JULY 17

econdary Education (S ED)

10 HIST PRIN OF SEC ED C4.C CR
PREREQ GUID 305/PSYC 303,ADMISSION TO TCHR ED PROGRAM
1 07.30-08.20 MT THF WHAM 326
2 08.30-09.20 MT THF WHAM 326 KEEFER
3 09.30-10.20 MT THF WHAM 326 EUSER
4 10.30-11.20 MT THF WHAM 326 AIKMAN
5 11.30-12.20 MT THF WHAM 326 AIKMAN
6 01.30-02.20 MT THF WHAM 326 MEES
15 SEC SCOL TEACH METH C4.C CR
PREREQ S ED 310 OR CONCURRENT ENROLL
1 08.30-09.20 MT THF WHAM 319
52 SEC STUD TCH C8.C TO 16.0 CR
1 TO BE ARRANGED
(AGRICULTURE)
2 TO BE ARRANGED
(ART)
3 TO BE ARRANGED
(BIOLOGY)
4 TO BE ARRANGED
(BUSINESS)
5 TO BE ARRANGED
(CHEMISTRY)

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    6     TC BE ARRANGED
      (ECONOMICS)
    7     TC BE ARRANGED
      (ENGLISH)
    8     TC BE ARRANGED
      (FOREIGN LANGUAGE)
    9     TC BE ARRANGED
      (GENERAL SCIENCE)
   10     TC BE ARRANGED
      (GEOGRAPHY)
   11     TC BE ARRANGED
      (GOVERNMENT)
   12     TC BE ARRANGED
      (HEALTH EDUCATION)
   13     TC BE ARRANGED
      (HISTORY)
   14     TC BE ARRANGED
      (HOME ECONOMICS)
   15     TC BE ARRANGED
      (INDUSTRIAL EDUCATION)
   16     TC BE ARRANGED
      (JOURNALISM)
   17     TC BE ARRANGED
      (MATHEMATICS)
   18     TC BE ARRANGED
      (MUSIC)
   19     TC BE ARRANGED
      (PHYSICAL EDUCATION)
   20     TC BE ARRANGED
      (PHYSICS)
   21     TC BE ARRANGED
      (SOCIOLOGY)
   22     TC BE ARRANGED
      (SOCIAL STUDIES)
   23     TC BE ARRANGED
      (SPEECH)
   24     TC BE ARRANGED
      (LIBRARY SCIENCE)
   25     TC BE ARRANGED
      (LANGUAGE ARTS)
375   READINGS IN S EDUC      02.0 TO 03.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1     TC BE ARRANGED                              SAMFORD
402   AERO-SPACE ED WRKSP              04.0 CR
       PREREQ   CONSENT OF INSTR
    1     01.30-04.20      MTWTHF   0871     102   FISHBACK WOODSC
      JUNE 22-JULY 10
407A  THE JUNIOR HIGH SCH              04.0 CR
   1*   09.30-10.20      MTWTHF   WHAM     329   STEPHENS
440   TEACH READ IN H S                04.0 CR
       PREREQ   GUID 305
   1*   08.30-09.20      MTWTHF   0875     101
485   PRIN-PHIL VC TEC ED              03.0 CR
       PREREQ   STUDENT TEACHING OR CONSENT OF
                 DEPARTMENT
    1     08.30-10.20      MTWTHF   TECH A   408   RAMP
      JUNE 29-JULY 17
487   TCH NAT SCI-SEC SCH              04.0 CR
   1*   07.30-08.20      MTWTHF   PULL     304   HUNGERFORD
488   SOC ST IN SEC SCH                03.0 CR
       PREREQ   GUID 305
   1*   08.30-09.20      MTWTHF   WHAM     317   SAMFORD
490   ECONOMIC EDUCATION               04.0 CR
   1*   02.30-03.20      MTWTHF   WHAM     208   WIEGAND
506   READING IN SEC SCH               04.0 CR
       PREREQ   S ED 352 OR TEACHING
                 EXPERIENCE
   1*   10.30-11.20      MTWTHF   WHAM     317
507   READINGS IN READING    02.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1     TC BE ARRANGED                              CUSENBERY
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C8   SEM TREND-SEL AREAS              C4.C CR
   1*   10.30-11.20      MTWTHF   WHAM     305  MEES JOHN D
C9   PRACTICUM IN RD          C4.C TO C8.C CR
      PREREQ   S ED 521C
   1    TO BE ARRANGED                          FISHCC
   2    TO BE ARRANGED                             OLSENBERY
16   INTERN IN READING         C4.C TO 12.C CR
      PREREQ   S ED 505 AND 514
   1    TO BE ARRANGED                          HILL MARGARET
18   SUP OF ST TEACH                C2.C CR
   1    08.30-09.20      MTWTHF   PULL      43  CASEY JOHN P
21A  DIAG-CORR READ DIS             C4.C CR
      PREREQ   505 OR 440 OR CONCURRENT REG
               WITH 505 + TEACH EXPER
   1*   08.30-09.20      MTWTHF   WHAM     137     OLSENBERY
   2*   11.30-12.20      MTWTHF   WHAM     137  FISHCC DANIEL T
     REQUIREMENT S ED 506+CONSENT OF INSTR
21B  DIAG-CORR READ DIS             C4.C CR
      PREREQ   505 OR 440 OR CONCURRENT REG
               WITH 505 + TEACH EXPER
   1*   09.30-10.20      MTWTHF   WHAM     307     OLSENBERY
   2*   12.30-01.20      MTWTHF   WHAM     137  FISHCC DANIEL T
21C  DIAG-CORR READ DIS             C4.C CR
      PREREQ   505 OR 440 OR CONCURRENT REG
               WITH 505 + TEACH EXPER
   1*   10.30-11.20      MTWTHF   WHAM     137     OLSENBERY
   2*   01.30-02.20      MTWTHF   WHAM     137  FISHCC DANIEL T
50   NEW DEVEL-TECH EDUC     C1.C TO C8.C CR
   1    09.30-10.20      MTWTHF   TECH A   220  STADT
        12.30-01.20      MTWTHF   TECH A   220
     JUNE 22-JULY 3
   2    09.30-10.20      MTWTHF   TECH A   220  STADT
        12.30-01.20      MTWTHF   TECH A   220
     JULY 6-JULY 17
   3    09.30-10.20      MTWTHF   TECH A   220  STADT
        12.30-01.20      MTWTHF   TECH A   220
     JULY 20-JULY 31
   4    09.30-10.20      MTWTHF   TECH A   220  STADT
        12.30-01.20      MTWTHF   TECH A   220
     AUG 3-AUG 14
52   HIGH SCH CURRICULUM            C4.C CR
   1*   08.30-09.20      MTWTHF   WHAM     328  FLIGER ROSS JEAN
   2*   01.30-04.00      M W      WHAM     312  KEEFER DARYLE EARL
54   H S PRINCIPALSHIP              C4.C CR
      PREREQ   CONSENT OF INSTR
   1*   11.30-12.20      MTWTHF   WHAM     305  STEPHENS
61   DOC SEM-CURR + INST            C4.C CR
      PREREQ   DOCTORAL STUDENTS ONLY
   1*   01.30-04.00       T TH    WHAM    3018  BUSER
65A  IND RES-CURRICULUM      C2.C TO C4.C CR
   1    TO BE ARRANGED                             CLIVA
65B  IND RES-SUPERVISION     C2.C TO C4.C CR
   1    TO BE ARRANGED                          CLIVA
65C  IND RES-LANG ARTS       C2.C TO C4.C CR
   1    TO BE ARRANGED                          CLIVA
65D  IND RES-SCIENCE         C2.C TO C4.C CR
   1*   TO BE ARRANGED                          HUNGERFORD, KNAPP,
65E  IND RES-READING         C2.C TO C4.C CR
   1    TO BE ARRANGED                          HILL
65F  IND RES-SOC STUDIES     C2.C TO C4.C CR
   1    TO BE ARRANGED                          SAMFORD CLARENCE D
65G  IND RES-SEC EDUC        C2.C TO C4.C CR
   1    TO BE ARRANGED                          SAMFORD CLARENCE D
65K  IND RES-JR H METHOD     C2.C TO C4.C CR
   1*   TO BE ARRANGED                          STEPHENS
66   INDEPENDENT INVEST      C5.C TO C9.C CR
   1    TO BE ARRANGED                          SAMFORD CLARENCE D
69   THESIS                  C3.C TO C9.C CR
   1    TO BE ARRANGED                          CLIVA
70   DISSERTATION            C1.C TO 48.C CR
   1    TO BE ARRANGED                          HILL+CLIVA
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Secretarial and Business Education (SEC)

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201A  TYPEWRITING                          C3.0 CR
    1    09.30-10.20      TWTHF   CL        13     BLBOLTZ
201B  TYPEWRITING                          C3.0 CR
       PREREQ   SEC 201A OR EQUIV
    1    09.30-10.20      TWTHF   CL        13  BUBOLTZ
201C  TYPEWRITING                          C3.0 CR
       PREREQ   SEC 201B OR EQUIV
    1    11.30-12.20      TWTHF   CL        13  BUBOLTZ
241   DUPLICATING                          C1.0 CR
       PREREQ   SEC 201 OR EQUIV
    1    10.30-12.20       W      CL        10  RAHE
304   ADV TYPE +KEY PUNCH                  C3.0 CR
       PREREQ   SEC 201-9
    1    11.30-12.20      TWTHF   CL        13  BLBOLTZ
341   OFFICE CALC MCHNS                    C4.0 CR
    1    10.30-11.20     MTWTHF   CL        17  RAHE
403   TEACH TYPEWRITING                    C3.0 CR
       PREREQ   SEC 304 OR EQUIV
   1*    08.30-09.20      MT THF   CL        13  JACOBSON
404   TEACHING SHORTHAND                   C3.0 CR
       PREREQ   SEC 324A OR EQUIV
   1*    10.30-11.20      MT THF   CL        13  JACOBSON
409   TEACH DISTRIB ED                     C4.0 CR
       PREREQ   MKTG 301
    1    08.30-10.20      MT THF   CL        17  BAUERNFEIND
      JUNE 23 - JULY 17
411   WRKSHP IN BUS ED          01.0 TO C6.0 CR
       PREREQ   SENIOR STANDING
    1    09.00-09.00         TH     LIB       26     BAUERNFEIND
         09.00-05.00          F     LIB       26
      AUG 20-21 WKSHP IN VOCATIONAL CODE 1 CR
414A  ORG ADM VOC BUS ED                   C3.0 CR
    1    02.30-04.20     MTWTHF   LAWSON   231     BAUERNFEIND
      JUNE 23-JULY 10
415   SUP BUS EXP + STUDY                  C6.0 CR
    1    01.30-04.20     MTWTHF   LAWSON   231  BAUERNFEIND FAR
      JULY 13-17 1 30-5 30 MTW AUG 24-26 REST
      WORK EXPR.
426   OFFICE MANAGEMENT                    C4.0 CR
    1    01.30-03.20     MTWTF    CL        17  JACOBSON
      JULY 20-AUGUST 14
485   PRIN-PHIL VC TEC ED                  C3.0 CR
       PREREQ   STUDENT TEACHING OR CONSENT OF
                DEPARTMENT
    1    08.30-10.20     MTWTHF   TECH A   408  BAUERNFEIND
      JUNE 29-JULY 17
502   RES BUS ED                           C4.0 CR
       PREREQ   CONSENT OF INSTR
   1*    11.30-12.20      MT THF   CL        10  RAHE
525   INTER VOC COOP ED                    C3.0 CR
       PREREQ   STUDENT TEACHING
    1    10.30-12.20     MTWTHF   TECH A   408  BAUERNFEIND FAR
      JUNE 29-JULY 17
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Sociology (SOC)

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301   PRINCIPLES OF SOC                    C4.0 CR
       PREREQ   JR STANDING
    1    12.30-01.20       T THF   WHAM     112  MARTIN THOMAS
         12.30-01.20       M       0861     101
      SECT 1 FOR SOC MAJORS ONLY
308   STAT FOR SOC SCI                     C4.0 CR
       PREREQ   JR STANDING OR CONSENT OF
                INSTR
    1    08.30-10.20       T TH    H EC     102     BJORKMAN
312   ELEM SOC RESEARCH                    C4.0 CR
       PREREQ   GSB 201B OR 301 OR CONSENT OF
                INSTRUCTOR
    1    03.30-04.20      MT THF   WHAM     312  RAINEY
340   THE FAMILY                           C4.0 CR
       PREREQ   GSB 201B OR SOC 301
    1    10.30-11.20      MTW  F   0871     102  MCMILLIN
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375   SOCIAL WELFARE                    C4.0 CR
       PREREQ   GSB 201B CR SCC 3C1
   1     10.30-11.20      M W       WHAM     112  EADES
383   INTRCD INTERVIEWING               C4.0 CR
       PREREQ   GSB 201B CR SCC 3C1
   1     09.30-10.20      MTWTH     0861     102     BROWN
   2     01.30-02.20      MTWTH     0861     102  BRELJE
396   READINGS IN SCC          C1.C TO C5.0 CR
       PREREQ   CONSENT OF INSTR
   1     TO BE ARRANGED
396H  HONORS READINGS-SCC      C1.C TO C4.C CR
       PREREQ   CONSENT OF DEPARTMENT
   1     TO BE ARRANGED
C06   SOCIAL CHANGE                    C4.0 CR
       PREREQ   GSB 201B CR SCC 3C1
   1     03.30-05.10      M  TH     WHAM     208
     RESERVED FOR SCC MAJORS
435   SCC STRATIFICATION               C4.0 CR
       PREREQ   GSB 201B CR SCC 3C1
   1     TO BE ARRANGED                                 HAWKES
460   SCC OF MEDICINE                  C4.0 CR
       PREREQ   SCC 301 OR CONSENT OF INSTRUCT
                CR
   1     01.30-03.10       T TH     WHAM     112  RAINEY
481   PROC IN SCC WORK                 C4.0 CR
       PREREQ   SCC 375 OR CONSENT OF INSTR
   1     02.30-03.20      MTWTH     0861     102     BRELJE
482   SCC WK-SEL AGENCIES              C3.0 CR
       PREREQ   SCC 481 AND CONSENT OF INSTR
   1     11.30-12.20      MT TH     CL       105  BROWN
486   INDEP STUDY COM DEV    C1.C TO C5.0 CR
       PREREQ   CONSENT OF INSTR
   1     TO BE ARRANGED                                 THOMAS RICHARD M
489E  INDEPT STUDY CORRS     C2.C TO C4.C CR
       PREREQ   CONSENT OF INSTR
   1     TO BE ARRANGED                                 EYNON THOMAS
504   SEM-AMERICAN SCC                 C4.0 CR
       PREREQ   SOC 501 OR CONSENT OF INSTR
         08.30-11.00      M         0862     101
   1     08.30-11.00      M         0862     101     GASTON
533   SUPER FIELD WK CORR    C4.C TO 12.C CR
       PREREQ   CONSENT OF INSTR
   1     TO BE ARRANGED
537   RESEARCH IN CD         02.C TO C8.0 CR
       PREREQ   MAJOR IN COMMUNITY DEVEL
   1     TO BE ARRANGED                                 THOMAS RICHARD M
561   INDIVIDUAL RESEARCH    02.C TO C6.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
   1     TO BE ARRANGED
596   READINGS IN SCC          02.C TO 12.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
   1     12.30-03.20        W       WHAM     301A
599   THESIS                   02.C TO C9.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
   1     TO BE ARRANGED
600   DISSERTATION             01.C TO 48.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
   1     TO BE ARRANGED
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Special Education (SP E)

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100   CRIENT EC EXC CHILD              C2.0 CR
   1*    07.30-08.20      TWTH      WHAM     205
     FRESH AND SOPH ONLY
10A   PRCB + CHAR-EMC CHI              C4.0 CR
       PREREQ   SP E 414
   1*    12.30-01.20      MTWTHF    LAWSON   101
10B   PRCB CHAR MENT RET               C4.0 CR
       PREREQ   SP E 414
   1*    09.30-10.20      MTWTHF    LAWSON   101  STEPHENS
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410C  PROB CHAR GIFT CHLD              C4.C CR
        PREREQ   PSYC 301 CR 303 CR CONSENT OF
                 INSTR
    1*   09.30-10.20     MTWTHF   PULL     38  CASEY JOHN P
410D  PROB CHAR ACCUS HDC              C4.C CR
        PREREQ   PSYC 301 CR 303 CR CONSENT OF
                 INSTR
    1*   01.30-02.20     MTWTHF   TECH B   2C  CRITTENDEN
411   ASS + REMED LRN DIS              C4.C CR
        PREREQ   SP E 414 AND CONSENT OF INSTR
    1*   08.30-09.20     MT THF   WHAM    302  JOINER
         08.30-09.20       W      AG      166
413A  DIR OBSER-EXCT DIST              C4.C CR
        PREREQ   CONSENT OF INSTR
    1*   TO BE ARRANGED
413B  DIR OB OF MR CHILD               C4.C CR
        PREREQ   CONSENT OF INSTR
    1*   10.30-12.20      T TH    WHAM    321  COWNEY RICHARD L
         TO BE ARRANGED
414   THE EXCEPT CHILD                 C4.C CR
        PREREQ   PSYC 301 CR 303 CR CONSENT OF
                 INSTR
    1*   07.30-08.20     MTWTHF   WHAM    308  STULL MARJORIE
    2*   08.30-09.20     MTWTHF   LS I     16
    3*   01.30-02.20     MTWTHF   WHAM    308
420A  MET + MAT-ED EM DIS              C4.C CR
        PREREQ   SP E 410A AND CONSENT OF INSTR
    1*   10.30-11.20     MTWTHF   WOODY   100
420B  METH + MAT TEACH MR              C4.C CR
        PREREQ   SP E 410B AND CONSENT OF INSTR
    1*   02.30-05.00      T TH    WHAM    303  RAINEY DAN S
428   SPCH CORR CLASS TCH              C4.C CR
        PREREQ   IN-SERVICE TEACHER OR GRAD
                 STUDENTS ONLY
    1*   12.30-01.20     MTWTHF   COMM   1006     FARGHER GEORGIA
496   READ + INDEP STUDY      02.C TO C8.C CR
        PREREQ   SP E 414 AND CONSENT OF STAFF
    1    TO BE ARRANGED                          JOINER
501   SPEC RES PROB                    C4.C CR
        PREREQ   CONSENT OF STAFF
    1*   TO BE ARRANGED
513   CRG ADM SP CLASSES               C4.C CR
        PREREQ   SP E 414
    1*   10.30-11.20     MTWTHF   WHAM    328  MORGAN
518A  LEARN + BEHAV DISOR     02.C TO C4.C CR
        PREREQ   SP E 414
    1*   09.30-10.20     MTWTHF   PULL     41  HOLT LAURENCE E
    2*   09.30-10.20     MTWTHF   PULL     43A CROWNER
518B  WKSHP-ED M R CHILD      02.C TO C4.C CR
        PREREQ   SP E 414
    1    09.00-05.00     MTWTHFS  WHAM    205
      AUG 10-22 MEETS IN          CENTRALIA
    2*   02.30-05.00      M W     WHAM    212  JOINER + RANEY
577   PRACTICUM IN SP ED.      C4.C TO 12.C CR
        PREREQ   SP E 410A, B, C, OR D, AND
                 CONSENT OF STAFF
    1*   TO BE ARRANGED
      MEETS 9-5 MTWTFS IN CENTRALIA
580A  ED MALAD CHILDREN                C4.C CR
        PREREQ   SP E 414 AND CONSENT OF INSTR
    1*   10.30-11.20     MTWTHF   WHAM    205  CROWNER
580B  ED OF MENT RET                   C4.C CR
        PREREQ   SP E 414 AND CONSENT OF INSTR
    1*   08.30-09.20     MTWTHF   PULL     41  STEPHENS
596   IND INVESTIGATION       05.C TO C9.C CR
    1*   TO BE ARRANGED
599   THESIS                  C2.C TO C9.C CR
    1*   TO BE ARRANGED
600   DISSERTATION            01.C TO 48.C CR
    1*   TO BE ARRANGED
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peech (SPCH)

02 PUBLIC SPEAKING C4.C CR
PREREQ GSC 1C3
1 09.30-10.20 MTh F COMM 1006 HIBBS RICHARD PAUL

C2 PRIN OF DISCUSSION 03.0 CR
1 01.30-02.20 MT TH COMM 1017 POTTER
2 02.30-03.20 MT TH COMM 1017

09 FORENSIC ACTIVITIES C1.C TO C3.C CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED KLEINAU MARION L

09 FORENSIC ACTIVITIES C1.C TO C4.C CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED KLEINAU MARION L

18 BRITISH PUB ADDRESS C4.C CR
1 09.30-11.20 M W COMM 2012 NICKEN

23 ORAL INTERP POETRY C4.C CR
PREREQ GSC 200 AND SPCH 323
1 09.30-11.20 M W COMM 1017 KLEINAN

27 SEC SCHL FOREN PROG C4.0 CR
1* 10.30-11.20 MTWTHF COMM 1006 BRENIMAN LESTER R

28 COMM THEORIES + MOD C4.C CR
1 12.30-01.20 M W COMM 2012 SANDERS KEITH R

29 GENERAL SEMANTICS C4.C CR
1 08.30-09.20 MTWTH COMM 2012 PACE THOMAS J

38 SEM STUDIES IN DISC C4.C CR
1 07.30-10.30 T COMM 2006 POTTER

1A TEACH COLL SPEECH C2.C CR
1 01.30-03.20 T TH COMM 1018 SMITH

1B TEACH COLL SPEECH C2.C CR
1 01.30-03.20 T TH COMM 1018

20 PHIL FOUND-SPEECH C3.C CR
1 11.30-12.20 MTWTH COMM 2021 PACE

40 RESEARCH PROBLEMS C1.C TO C4.C CR
1 TO BE ARRANGED BRADLEY EARL EDSEL

40 SEM-EXP COMM RES C4.C CR
PREREQ SPCH 428 AND 429
1 01.30-03.20 M W 0861 101 SANDERS

42 NON-CLAN RES METH C4.C CR
PREREQ SPCH 410
1 08.30-10.20 T TH COMM 2012 JENNINGS

49 THESIS C2.C TO C9.C CR
1 TO BE ARRANGED NICKEN RALPH A

50 DISSERTATION C1.C TO 48.C CR
1 TO BE ARRANGED NICKEN RALPH A

eech Pathology and Audiology (SP & A)

10 PHONETICS C4.0 CR
1* 08.30-09.20 MTWTHF COMM 1006 CARBUTT CAMERON W

39 STUTTERING C4.C CR
PREREQ SP+A 212 OR CONSENT OF INSTR
1 02.30-03.20 MT THF COMM 1006 BRUTTEN

40 IND STUDY-SP+A C2.C TO C4.C CR
PREREQ ADVANCED STANDING
1 TO BE ARRANGED COPELAND

45C PRAC SP + HEAR THER C2.C TO C4.C CR
PREREQ JUNIOR STANDING IN DEPARTMENT
1 TO BE ARRANGED PACE SUE ANN

42 CEREBRAL PALSY C4.0 CR
PREREQ SP+A 212, 214 OR CONSENT OF INSTR
1 08.30-12.00 MTWTHF COMM 1008 PACE

46 INTRO TO AUDIOLOGY C4.0 CR
PREREQ JR STANDING OR CONSENT OF INSTR
1 01.30-02.20 MT THF COMM 1006 MCFARLAND

49 COMM PROB OF H OF H C4.0 CR
PREREQ SP+A 406 OR CONSENT OF INSTR
1* 08.30-12.00 MTWTHF COMM 1009 MCFARLAND

48 SP CORR FOR CL TCH C4.0 CR
PREREQ PRACTISING TEACHER, SR OR GRAD IN EDUC
1* 12.30-01.20 MTWTHF COMM 1006 YOSHIKO MICHAEL S

515 READINGS IN SP+A C1.C TC C4.0 CR
PREREQ ADVANCED STANDING
1 TC BE ARRANGED BRACKETT I P
520 SEM-PHYSICL ACCUST C4.C CR
PREREQ SP+A 406, 416
1 02.30-04.20 M TH COMM 1005 COPELAND
522C SEM-CRC SPCH PRCB C1.C TC C4.0 CR
PREREQ SP+A 522C CR CONSENT OF INSTR
1* 08.30-12.00 MTWTHF COMM 1007 KOEPP-BAKER HER
530 RES PRCB IN SP+A C1.C TC C4.C CR
PREREQ ADVANCED STANDING
1 TC BE ARRANGED BRUTTEN GENE JE
533 SEM IN SPCH SCIENCE C4.C CR
1 02.30-04.20 T F COMM 1005 HOSHIKO
599 THESIS C2.C TC C9.0 CR
1 TC BE ARRANGED KOEPP - BAKER
600 DISSERTATION C1.C TO 48.C CR
1 TC BE ARRANGED KOEPP-BAKER HER

Technical & Industrial Education (TIED)

100 ORIENTATION C2.C CR
1 03.30-04.20 T TH TECH A 111
201A VISUAL COMMUNICATNS C3.0 CR
1 08.30-09.20 MTWTH PULL I 17
302 CONSTR MTDS PRI TCH C4.0 CR
1 09.30-10.20 TW PULL I 105 VAN ROOY
07.30-10.20 M PULL I 105
07.30-09.20 W PULL I 105
2 09.30-10.20 TW PULL I 105 VAN ROOY
07.30-09.20 T PULL I 105
07.30-10.20 TH PULL I 105
303 DIVERSIFIED CRAFTS C4.0 CR
1 01.30-02.20 TW PULL I 105 JENKINS
11.30-02.20 M PULL I 105
11.30-01.20 W PULL I 105
2 01.30-02.20 TW PULL I 105 JENKINS
11.30-01.20 T PULL I 105
11.30-02.20 TH PULL I 105
3 04.30-05.20 TW PULL I 105 JENKINS
02.30-05.20 M PULL I 105
02.30-04.20 W PULL I 105
4 04.30-05.20 TW PULL I 105 JENKINS
02.30-04.20 T PULL I 105
02.30-05.20 TH PULL I 105
319 INDUSTRIAL INTERN C3.C TO 24.0 CR
PREREQ CONSENT OF COORDINATOR
1 TC BE ARRANGED
408 T AIDS IN TECH ED C3.0 CR
1* 01.30-02.20 MTWTHF TECH D 130 NYSTROM
2 02.30-03.20 M W F TECH D 130 KENNEKE LARRY
419 STU TCH IN TECH PRO C8.C TC 16.0 CR
PREREQ 9 QTR HRS PROFESSIONAL COURSES
1 TC BE ARRANGED
425 PRACTICUM IN TECH C2.C TO C8.C CR
PREREQ 12 HRS IN TECHNICAL SUBJECTS
1 TC BE ARRANGED
430 SPECIAL PROBLEMS C2.C TO C8.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TC BE ARRANGED
450 ADV SKILLS TECH SUB C1.C TO 12.0 CR
PREREQ BASIC TRAINING IN AREA
SELECTED FOR STUDY
1* 08.30-09.20 MTWTHF PULL I 148 BORTZ
MATERIALS AND PROCESSES
2 09.00-12.00 MTWTHF PULL I 16 SULLIVAN JAMES
01.00-03.00 MTWTHF PULL I 16 SULLIVAN JAMES
AUGUST 17-21 ENERGY AND POWER
3 09.00-12.00 MTWTHF TECH D 108 BITTLE
01.00-03.00 MTWTHF TECH D 106
AUGUST 24-28 ELECTRONICS AND INSTRUMENT.

5 PRIN-PHIL VC TEC ED C3.C CR
PREREQ .
1 08.30-10.20 MTWTHF TECH A 408 RAMP WAYNE S
JUNE 29-JULY 17
8 ANAL FCR CCCUP ED C3.0 CR
PREREQ 12 HRS IN TEACHING SPECIALTY
1* 11.30-12.20 MTWTH TECH A 220 BORTZ
9 CRG CF SUBJ MATTER C3.0 CR
PREREQ TIED 488
1* 02.30-03.20 MTWTH TECH A 222 BAILEY
0A LEG CRG + AD CCC ED C4.C CR
1* 01.30-02.20 MTWTHF TECH A 420
5 SUPER CF IND ED C4.0 CR
1 11.30-12.20 MTWTH TECH A 420 BITTLE
5 INTER VCC CCCP ED C3.0 CR
PREREQ STUDENT TEACHING
1 10.30-12.20 MTWTHF TECH A 408 SULLIVAN JAMES A
JUNE 29-JULY 17
0 RESEARCH TECH EDUC C2.C TO C6.C CR
1* 02.30-03.20 MTWTHF TECH D 131 ERICKSCN JCHN HCWARD
1 CCCUP INFC AND GUID C4.C CR
1* 11.30-12.20 MTWTHF TECH A 422 RAMP WAYNE S
0 CCL TCH IND-TEC SUB C4.0 CR
1* 10.30-11.20 MTWTHF TECH D 131 ERICKSCN
0 NEW DEVEL-TECH EDUC C2.C TO 12.C CR
1 09.30-10.20 MTWTHF TECH A 220
12.30-01.20 MTWTHF TECH A 220
JUNE 23-JULY 3
2 09.30-10.20 MTWTHF TECH A 220
12.30-01.20 MTWTHF TECH A 220
JULY 6-17
3 09.30-10.20 MTWTHF TECH A 220
12.30-01.20 MTWTHF TECH A 220
JULY 20-31
4 09.30-10.20 MTWTHF TECH A 220
12.30-01.20 MTWTHF TECH A 220
AUGUST 3-14
0 SPECIAL INVESTIGAT C2.C TC C6.0 CR
1 TC BE ARRANGED
9 THESIS C1.C TO C9.C CR
1 TC BE ARRANGED

eater (THEA)

3 VCICE AND DICTICN C4.0 CR
1 10.30-11.20 M W BAILEY 130 HARRISCN
10.30-11.20 T TH COMM 1021
8 DRAMATIC ACTIVITIES C1.C TC C3.C CR
1 02.30-03.20 M W COMM 1045 ZOECKLER
7 ACTING C4.0 CR
1 11.30-12.20 MTWTH H EC 106 HARRISCN
JUNE 17-JULY 14 MCVES TC CCMM 1045 JUL
12-AUG 30
8 DRAMATIC ACTIVITIES C1.C TO C3.C CR
1 02.30-03.20 M W COMM 1045 ZOECKLER
2 THEATER PRACTICUM C2.C TC 12.0 CR
1 08.40-10.10 MTWTHF COMM 1037 MCLECD + MCE
MTS 8 40AM TC 10 10PM DEPT CCNSENT RE-
QUIRED
2A PLAY DIRECTING C4.0 CR
1* 12.30-01.20 MTWTHF COMM 1045 ABRAMS
2B PLAY DIRECTING C4.0 CR
1* 01.30-02.20 MTWTHF BAILEY 130 ABRAMS
0 CHILDRENS THEATRE C3.0 CR
1* 08.30-09.20 M WTH WHAM 301B ZOECKLER
08.30-09.20 T WHAM 303
1 PLAYWRITING C4.0 CR
PREREQ THEA 311 + CCNSENT OF INSTR
1 TC BE ARRANGED MCE
4 CCNTEMP DANCE WKSHP C2.C TC C8.0 CR
1* 01.00-05.00 MTWTHF GYM 208 GRAY

```
505   THE TRAGIC THEATRE                C4.C CR
    1    03.30-04.20      MTWTH    COMM    102C  ABRAMS
519   THEATRE PRACTICUM       C1.C TC 12.0 CR
    1    08.40-10.10      MTWTHF   CCMM    1037  MOE + MCLECD
      MTS & 4CAM TC 10 10PM DEPT CONS REQUIRED
526   SEM IN THEATRE ARTS     C3.C TC 12.0 CR
       PREREQ   GRAD STANDING + CONSENT
                CF DEPARTMENT
    1    TC BE ARRANGED                          MOE
      STOCK CCM MEMBS CNLY
530   RESEARCH PROBLEMS       C1.C TC C4.C CR
    1    TC BE ARRANGED
599   THESIS                  C1.C TC C9.C CR
    1    TC BE ARRANGED
```

Zoology (ZOOL)

```
321   HISTOLOGICAL TECHN                C5.C CR
       PREREQ   1 YR CF BIC SCIENCE CR CONSENT
                CF INSTRUCTOR
    1    07.30-08.20       T TH    LS I    205  MARTAN
         07.30-09.20     M W  F    LS I    209
322   PROBLEMS IN ZOOLOGY     C2.C TC C5.C CR
       PREREQ   4.25 GPA,SENICR STANDING,AND
                DEPT CR FAC APPROVAL
    1    TC BE ARRANGED
382   ZOOL SENICR SEMINAR     C0.5 TC C1.5 CR
       PREREQ   SENICR STANDING
    1    10.30-11.20       T       LS I    205  ENGLERT
407   PARASITOLOGY                      C5.C CR
       PREREQ   1 YR CF ZOOL INCLUDING 102
    1    11.30-12.20       T TH    LS I    205  DYER
         09.30-11.20     M W  F    LS I    213
410   VERT PALEONTOLOGY                 C5.C CR
       PREREQ   ZOOL 202 CR GEOLOGY 301
    1    12.30-01.20       T  F    LS I    204  CALBREATH
         01.30-02.20     MTW  F    WHAM    202
461   MAMMALOGY                         C4.C CR
       PREREQ   1 YR CF ZOOL INCLUDING 103
    1    12.30-01.20     M W       LS I    205  STAINS
         07.30-11.20        TH     LS I    204
471   ENTOMOLOGY                        C4.C CR
       PREREQ   ZOOL 102
    1    12.30-01.20     M W       WHAM    202  MCPHERSCN JCHN
         08.30-10.20      T TH     LS I    213
540   FACTORS ANIMAL REPR               C3.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    11.30-12.20     M W  F    LS I    205  MARTAN JAN
579   ANIMAL BEHAVICR                   C4.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    02.30-03.20      TW       WHAM    303  WARING GEORGE H
         12.30-04.20        TH     AG      132
582   GRAD ZOOL SEMINAR       C1.C TC C6.0 CR
    1    TC BE ARRANGED
596   SPECIAL RESEARCH        C3.C TO 12.C CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TC BE ARRANGED
599   THESIS                  C2.C TC C9.0 CR
    1    TC BE ARRANGED
600   DISSERTATION            C3.C TC 48.0 CR
    1    TC BE ARRANGED
```

SCHEDULE OF VOCATIONAL-TECHNICAL INSTITUTE COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR

General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)

```
101A  INTRC-PHYS SCIENCE                C4.C CR
  9C1    12.30-01.20      MTWTH    M3      101
  9C2    01.30-02.20      MTWTH    M3      101
```

neral Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)

1C	CULT-SCCIETY-BEHAV			C4.C	CR	
9C1	12.3C-C1.2C	MTWTF	HI		143	
9C2	03.3C-C4.2C	MTWTF	HI		143	
1E	PCLITICAL ECCNCMY			C4.C	CR	
9C1	11.3C-12.2C	MTWTF	HI		143	
9C2	02.3C-C3.2C	MTWTF	HI		143	

neral Studies Area D—Organization and Communication of Ideas (GSD)

1	ENGLISH CCMPCSITICN			C3.C	CR	
9C1	12.3C-01.2C	M W F	H3		153	
9C2	02.3C-03.2C	M W F	H3		153	
9C3	03.3C-04.2C	M W F	H3		153	
2	ENGLISH CCMPCSITICN			C3.C	CR	
9C1	02.3C-03.2C	M W F	L2		105	
13	CRAL CCMM CF IDEAS			C3.C	CR	
9C1	07.3C-08.2C	MTWTF	L2		105	
9C2	12.3C-01.2C	MTWTF	L2		105	

counting (*ACC)

1A	ACCCUNTING			C4.C	CR	
1	09.3C-10.2C	M F	FI		111	
	09.3C-11.2C	T TH	FI		111	
1C	ACCCUNTING			C4.C	CR	
	PREREQ *ACC 101B					
1	08.3C-09.2C	MTWTHF	FI		111	
1A	CALC MACH			C3.C	CR	
1	07.3C-08.2C	MTWTHF	FI		113	
2	11.3C-12.2C	MTWTHF	FI		113	
3	02.3C-03.2C	MTWTHF	FI		113	
1B	FUND CF BUSINESS			C3.C	CR	
1	08.3C-09.2C	M W F	FI		108	
2	11.3C-12.2C	M W F	FI		108	
2A	BUSINESS LAW			C4.C	CR	
1	02.3C-03.2C	MTWTF	FI		108	
2B	BUSINESS LAW			C4.C	CR	
1	12.3C-01.2C	MTWTF	FI		108	
2	CFFICE ADMIN + SUP			C4.C	CR	
	PREREQ *ACC 12B					
1	10.3C-11.2C	MTWTHF	FI		108	

Architectural Drafting (*AD)

1A	ARCHITECT DRAFTING			C5.C	CR	
	PREREQ MUST BE TAKEN IN A,B SEQUENCE					
1	07.3C-11.2C	M W F	MI		108	
1A	FREEHAND ARCH GRAPH			C3.C	CR	
1	08.3C-11.2C	T TH	MI		108	LCUGEAY PAUL J
1	HISTCRY ARCHITECT			C3.C	CR	
1	11.3C-12.2C	M W F	MI		112	LCUGEAY PAUL J

Aation Technology (*AT)

1	ARCFT RECIPRCCAT PP			C6.C	CR	
1	07.30-08.20	M W F	AVTECH		116	
	08.30-11.20	M W F	AVTECH		134	
1	CARB + LUB SYSTEMS			C6.C	CR	
1	07.30-11.20	T TH	AVTECH		119	
	12.30-01.20	M W F	AVTECH		106	
1	ARCFT ELECT GEN-ALT			C6.C	CR	
1	07.30-08.20	MTWTHF	AVTECH		106	
	08.30-10.20	M W F	AVTECH		127	
1	PROPELLERS			C5.C	CR	
1	08.30-09.20	T TH	AVTECH		118	
	11.30-12.20	M W F	AVTECH		106	
1	AIRCRFT INSTRUMENTS			C4.C	CR	
1	01.30-02.20	T TH	AVTECH		107	
	12.30-02.20	T TH	AVTECH		128	
1	ARCFT IGN-START SYS			C5.C	CR	
1	09.30-11.20	M W F	AVTECH		128	
	12.30-01.20	M W F	AVTECH		116	

```
107   FABRIC-WOOD-DOPING                C4.0 CR
    1    08.30-10.20        W       AVTECH  131
         11.30-12.20      T TH      AVTECH  116
         12.30-03.20      T TH      AVTECH  131
108   JET PROPULSION PP                 C6.0 CR
    1    01.30-02.20     MTWTH      AVTECH  116
         07.30-10.20      T TH      AVTECH  133
109   POWERPLANT TESTING                C4.0 CR
    1    07.30-09.20     M W  F     AVTECH  134
         12.30-01.20      T TH      AVTECH  116
110   AIRC STRUCT AND REP               C3.0 CR
    1    07.30-08.20          F      AVTECH  132
         03.30-04.20      T TH      AVTECH  103
203   AERODYNAMICS                      C5.0 CR
    1    08.30-11.20     M    F      AVTECH  117
208   ARCFT FUEL SYSTEMS                C2.0 CR
    1    12.30-02.20        W       AVTECH  117
         02.30-03.20        W       AVTECH  119
209   WT BALANCE INSPECT                C6.0 CR
    1    07.30-09.20     M W  F     AVTECH  131
         10.30-11.20     MTWTHF     AVTECH  106
220   JET TRANS AIR SYS                 C3.0 CR
    1    12.30-01.20      T TH      AVTECH  117
         01.30-02.20        TH      AVTECH  117
         01.30-03.20      T         AVTECH  132
230A  PRIVATE PILOT                     C2.0 CR
    1    02.30-03.20     M W  F                    PATCHETT
230B  PRIVATE PILOT                     C1.0 CR
    1    TO BE ARRANGED                            PATCHETT
231   BASIC FLIGHT                      C3.0 CR
      PREREQ   *AT 230
    1    TO BE ARRANGED
232   INTERMEDIATE FLIGHT               C3.0 CR
      PREREQ   *AT 231
    1    TO BE ARRANGED
233   ADVANCED FLIGHT                   C3.0 CR
      PREREQ   *AT 232
    1    TO BE ARRANGED
234   INSTRUMENT FLIGHT                 C3.0 CR
      PREREQ   *AT 233
    1    TO BE ARRANGED
```

Automotive Technology (*AUT)

```
101A  AUTO LAB--ENG                     C5.0 CR
    1    07.30-10.20     MTWTHF   L2      108  WILLEY
125A  AUTO THE--ENGINES                 C5.0 CR
    1    10.30-11.20     MTWTHF   L2      105  WILLEY LUCIAN C
```

Commercial Art (*CA)

```
101   ART ANALYSIS                      C3.0 CR
    1    07.30-08.20     M W  F   NI      107
125   TECHNIQUES                       10.0 CR
    1    08.30-11.20     M W  F   NI      107
         07.30-11.20      T TH    NI      107
```

Corrections and Law Enforcement (*CLE)

```
215   SUP PRAC IN CRIM                  C9.0 CR
    1    TO BE ARRANGED
217   CORR ADM                          C3.0 CR
    1    06.30-09.00 PM  M        0685    200
221   POLICE ADM                        C3.0 CR
    1    06.30-09.00 PM    W      0685    200
```

Dental Hygiene (*DH)

```
140   DENTAL PHARMACOLOGY               C2.0 CR
      PREREQ   MUST BE TAKEN CONC.WITH 139
               PREREQ *GEN 115
    1    11.30-12.20     M W      FI      110  BUSHEE ELEANOR AE
209   DENT HYG CLIN /S/                 C5.0 CR
      PREREQ   SOPHOMORE STATUS IN DENTAL
               HYGIENE CONCENTRATION
    1    08.30-11.20     MTW  F   F3      132
         11.30-12.20          F   FI      110
```

```
  2    12.30-03.20      MTW   F    F3        132
       11.30-12.20            F    F1        110
8A  CLIN DENT RCENTGEN                 C2.0 CR
     PREREQ   *DH 132,137,*GEN 115 OSA 301
              SCPH STNDING IN *DH
  1    08.30-10.20         TH    F1        110  BUSHEE ELEANOR JANE
  2    01.30-03.20         TH    F1        110  BUSHEE ELEANOR JANE
```

ita Processing (*DP)

```
1A  ALTC DATA PRCC MACH                C5.0 CR
  1    10.30-11.20      MTWTHF   H4        134
       11.30-12.20      MTWTHF   H4        136
  2    01.30-02.20      MTWTHF   H4        134
       02.30-03.20      MTWTHF   H4        136
4   DP INFC                            C5.0 CR
     PREREQ   *DP 100A,101
  1    09.30-11.20      MTWTHF   H4        233
9   PUNCHED CARD PREP                  C3.0 CR
  1    09.30-10.20      MTWTHF   H4        136
6A  PROGRAM OPERAT SYST                C5.0 CR
     PREREQ   DP 103
  1    07.30-09.20      MTWTHF   H4        233
7   DP FIELD PROJ                      C5.0 CR
     PREREQ   *DP 206A
  1    TO BE ARRANGED
```

Dntal Laboratory Technology (*DT)

```
13B  SCIENCE DENT MATLS                C3.0 CR
     PREREQ   *GEN 115A
  1    08.30-11.20         TH    F3        128  LEEBENS
  2    01.30-04.20         TH    F3        128  LEEBENS
15A  DENT PROSTH THEORY                C3.0 CR
  1    08.30-09.20      M W   F    F1        110  LEEBENS WILLIAM M
```

Ectronics Technology (*ELT)

```
17   BASIC TECH CONCEPTS               C3.0 CR
  1    08.30-10.20      M W   F    M3        110  CALDWELL PAUL NEWELL
```

Fest Products Technology (*FP)

```
11A  WOODWORK-MACHINE                  C5.0 CR
  1    08.30-11.20       T TH    L4        108  OSBORN
       09.30-12.20      M W   F    L4        108
15A  PROD WOODWKG THEORY               C3.0 CR
  1    08.30-09.20      M W   F    L4        106  OSBORN
13   WOOD TECH                         C4.0 CR
  1    01.30-02.20      M W       L4        106  OSBORN
       01.30-03.20       T TH     L4        106
```

Gneral (*GEN)

```
12   TECHNICAL WRITING                 C3.0 CR
  1    11.30-12.20      M W   F    H3        153
  2    01.30-02.20      M W   F    H9        101
10   ELEMENTARY MATH                   C0.0 CR
  1    12.30-01.20      MTWTH    H3        151
15A  BUS + TECH MATH                   C3.0 CR
     PREREQ   SATISFACTORY ACT MATH SCORE OR
              *GEN 106
  1    09.30-10.20      M W   F    H3        151
  2    11.30-12.20      M W   F    H3        151
15B  BUS + TECH MATH                   03.0 CR
     PREREQ   SATISFACTORY ACT MATH SCORE OR
              *GEN 106
  1    01.30-02.20      M W   F    H3        151
  2    02.30-03.20      M W   F    H3        151
  3    03.30-04.20      M W   F    H3        151
2    JOB ORIENTATION                   C2.0 CR
  1    08.30-09.20       T TH    F1        112
     RETAILING MAJORS ONLY
```

Hhway and Civil Technology (*HCT)

```
2A  COOP WORK EXPER                    C8.0 CR
  1    TO BE ARRANGED
```

Mortuary Science (*MS)

```
101A  FUNERAL HIST + CUST                    C3.0 CR
    1     12.30-01.20      M W  F    L3        109
101B  FUNERAL HIST + CUST                    C3.0 CR
    1     01.30-02.20      M W  F    L3        109
275   FUNERAL SER INTERN                     10.0 CR
       PREREQ    ALL OTHER REQMNTS OF MORTUARY
                 SCI CURR MUST MEET
    1     TO BE ARRANGED                                HERTZ DONALD DDR
280   FUNERAL SERVICE SEM                    C2.0 CR
       PREREQ    CONCURRENT REGISTRATION IN
                 *MS 275
    1     TO BE ARRANGED                                HERTZ DONALD DDR
```

Machine Drafting and Design Technology (*MT)

```
101A  GRAPHICS                               C7.0 CR
    1     08.30-11.20      MTWTHF   MI        101  BEAUCHAMP CLAREN
175A  TECHNICAL DRAWING                      C3.0 CR
    1     11.30-12.20      MTWTHF   MI        101  BEAUCHAMP CLAREN
```

Printing Technology (*PT)

```
235   PRINT THEC + PRACT                     C2.0 CR
       PREREQ    N210A,B AND 230A,B
    1     12.30-02.20       T TH    L3        109  CORNELL HORACE E
```

Retailing, Cooperative (*RET)

```
124   INTRC TO RETAILING                     C4.0 CR
    1     09.30-10.20      MTWTH    H3        153  SODERSTROM RUTH
176   PRODUCT ANALYSIS                       C3.0 CR
    1     08.30-09.20      M W  F   H3        153  SODERSTROM RUTH
177A  PRODUCT INFO LAB                       C5.0 CR
    1     10.30-12.20      MTWTHF   H3        153  SODERSTROM RUTH
201A  CO-OP WORK EXP                         C8.0 CR
    1     TO BE ARRANGED                                THOMPSON RONALD
    2     TO BE ARRANGED                                THOMPSON RONALD
208A  FASHION MERCH                          C4.0 CR
    1     09.30-10.20      MTWTH    H3        153  SODERSTROM RUTH
215   MARKETING PROBLEMS                     C4.0 CR
    1     11.30-12.20      MTWTH    L2        102  SODERSTROM RUTH
280   RETAIL CRED + COL                      C3.0 CR
    1     10.30-11.20      M WTH    H3        153  SODERSTROM RUTH
```

Secretarial (*SCR)

```
101A  TYPEWRITING                            C3.0 CR
    1     08.30-09.20      MTWTHF   H3        121
101C  TYPEWRITING                            C3.0 CR
    1     06.30-09.00 PM   M W      H3        107  JOHNSTON C.
104A  SHORTHAND                              C6.0 CR
    1     12.30-02.20      MTWTHF   H3        121
107   FILING + DUPLICTG                      C3.0 CR
       PREREQ    101A OR CONSENT OF ADVISER
    1     10.30-11.20      MTWTHF   H3        102
    2     03.30-04.20      MTWTHF   H3        102
    3     06.30-09.00 PM    T TH    H3        103
205A  TYPEWRITING                            C3.0 CR
    1     03.30-04.20      MTWTHF   H3        107
214A  COOP SEC EXP                C2.0 TO C5.0 CR
       PREREQ    *SCR 104C
    1     TO BE ARRANGED
```

Tool and Manufacturing Technology (*TT)

```
101A  M TOOL LAB-ENG BEN                     C5.0 CR
    1     08.30-11.20      MTWTHF   L1        101  MUNICH
176A  MANUFACTURING PROC                     C3.0 CR
    1     12.30-01.20      M W  F   MI        107  BEAUCHAMP
```

This form is provided for your convenience in preparing a tentative class schedule before coming to the Registration Center.

1. Write in the course and section number in the appropriate day and time column.
3. It is suggested that you make an alternative schedule.
4. Tentative class schedules are subject to the rules and policies on registration of the University and the Registration Center.

TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.
7:30												
8:30												
9:30												
10:30												
11:30												
12:30												
1:30												
2:30												
3:30												
4:30												

Carbondale, Illinois 62901

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Southern Illinois University

Carbondale, Illinois

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Southern Illinois University

Bulletin

Schedule of Classes
Southern Illinois University
at Edwardsville

Summer Quarter, 1970

SIU

This Bulletin

contains the schedule of classes to be offered by the Edwardsville Camp
the summer quarter, 1970. It also provides information relative to adm
advisement, registration, and fees.

Schedule of Classes

Summer, 1970

Southern Illinois University at Edwardsville

SIU

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 4, March 30, 1970. Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville, Illinois 62025. Published by Southern Illinois University, Carbondale, Illinois 62901, monthly except February, March, April, and December, when published semi-monthly.

University Calendar

PRING, 1970	Quarter Begins	Monday, March 30 (Classes 4:30 P.M. or later)
	Memorial Day Holiday	Friday, May 29
	Final Examinations	Monday–Saturday, June 8–13
	Commencement (Carbondale)	Friday, June 12
	Commencement (Edwardsville)	Saturday, June 13
MMER, 1970	Quarter Begins	Monday, June 22
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5

Registration Calendar, Summer, 1970

EDWARDSVILLE CAMPUS

Registration will be held in the Enrollment Office, 1308 General C
Building.

June 6.

Registration. No appointment necessary. 8:30 A.M.–2:00 P.M.

June 8–10, 17–18.

Registration. No appointment necessary. 1:00–6:30 P.M.

June 22.

Central registration. No appointment necessary. 8:30 A.M.–6:30 P.M.

June 22.

Summer quarter begins. Evening classes (4:30 P.M. or later) begin.

June 23.

Day classes begin.

June 29.

Last day to add classes.

July 6.

Last day to be eligible for a refund of fees.

July 4.

Independence Day Holiday.

July 20.

Last day to withdraw from class without receiving a grade.

August 17.

Last day to withdraw from school.

August 31–September 4.

Final examinations.

1 / General Information

Edwardsville Campus of Southern Illinois University has scheduled ummer quarter, June 22 to September 4. Courses designed specifically neet the needs of teachers are scheduled for shorter periods with the ority planned to meet for eight weeks.

he Edwardsville Campus offers courses leading toward associate, nelor's, and master's degrees in selected fields.

variety of course offerings have been scheduled to meet the specific ls of (1) teachers in service, (2) freshmen—beginning and refresher ses, (3) upperclassmen—basic requirements, (4) graduate students, (5) liberal arts graduates and individuals on temporary certificates ring teacher certification.

or additional information, write to the Admissions Office, Southern ois University, Edwardsville, Illinois 62025.

Admission

lication for admission to the summer quarter should be initiated with Admissions Office on or before June 1 to permit all necessary process- work to be completed by the start of the quarter. A general admission irement is the filing of a transcript of record covering all previous school and college work. Transcripts should be mailed to the Admis- s Office from the institution(s) attended and should reach the Admis- s Office prior to June 3, 1970.

n undergraduate student attending another institution who expects raduate therefrom and who desires to attend here during the summer will be admitted as a special student on the basis of a letter of good ding from the registrar of the institution the student is attending. The r of good standing should be sent directly to the Admissions Office in ardsville and must be received prior to registration. The special stu- 's application should be submitted to the Admissions Office by June 70. A high school senior who ranks in the lower half (lower 60 per- but upper half for out-of-state students) of his graduating class who rmitted to enter conditionally for the summer quarter must register hours or more in order to continue in attendance during the fall er and must earn a *C* average or above during the summer quarter. student attending the Carbondale Campus spring quarter who plans tend the Edwardsville Campus during the 1970 summer quarter must te his registration process by contacting the Admissions Office at ardsville.

Social Security Number

student seeking admission to the University will need to present cial security number for identification purposes. Any local social

security office can provide assistance in obtaining a number or repla
a lost card. At Alton the social security office is at 1623 Washin
Street; at East St. Louis the office is at 435 Missouri Avenue; at
wardsville the Illinois State Employment office, 111 West Vandalia,
vides social security information.

Required Tests

Each student entering Southern Illinois University directly from
schol is required to furnish to the University scores on the test bat
administered by the American College Testing Program (A.C.T.). T
tests are given at regional test centers throughout the United State
April. Information and application blanks are normally available thr
the high school guidance director or principal, or may be obtaine
writing directly to: American College Testing Program, Box 168,
City, Iowa 52240.

A student who finds it impossible to take the A.C.T. tests may
scores from the College Entrance Examination Board (C.E.E.B.)
mitted. The specific scores, which must be submitted if the C.E.E.B.
are submitted, are Scholastic Aptitude Test, English Composition
and Mathematics (Intermediate) Test. In order to have identical
data, a student who submits C.E.E.B. test data will be required to su
scores from the A.C.T. no later than one month after registration.

Transfer students are required to furnish A.C.T. scores to the Stu
Counseling and Testing Center. (A transcript of these scores is avai
by sending one dollar and a written request to the American College
ing Program in Iowa City.) If the scores are on file at the student's fo
school, a request should be made for their forwarding. Test scores ar
normally sent with a person's transcript of grades and must be requ
separately from the appropriate office at the former school. If the A
tests have not been taken, arrangements to do so should be made.

Registration

All General Studies students must make up their schedule with app
of General Studies Advisement Office. Recent changes have been ma
the General Studies Program which result in reduced loads. All stu
should secure the help of General Studies Advisement Office to lea
these changes.

Fees for a Regular Quarter

The fee schedule is as follows: Fees are subject to change whenever
ditions make changes necessary.

| | Not more than 5 hrs. | More than 5, less than 11 | 1
m |
|---|---|---|---|
| Tuition Fee—Illinois Resident ..... | $22.00 | $45.00 | $6 00 |
| Tuition Fee—Out of State Resident .... | (69.00) | (137.00) | (20 00) |
| Student Welfare and Recreation Building Trust Fund Fee ..... | 5.00 | 10.00 | 1 00 |
| Book Rental Fee ..... | 3.00 | 6.00 | 00 |

ident Activity Fee	3.50	7.00	10.50
iversity Center Fee	5.00	5.00	5.00
letic Fee	3.00	6.50	10.00
tal—Illinois Resident	$41.50	$79.50	$115.50
tal—Out of State Resident	(88.50)	(171.50)	(254.50)

Graduate students do not rent their textbooks and do not pay the book tal fee. They purchase their books.

Students having special fee status, such as scholarship holders, faculty, l staff, will pay fees according to their particular status. Prior to istration this student will go to the Student Work and Financial Astance Office to secure certification.

Late Registration Fee

e first day of a quarter is considered the last day of the regular registran period. Registrations thereafter, including those for classes "to be arged" are considered late registrations and are assessed a late registran fee of $5.00.

Academic Loan

e normal class load is 16 quarter hours for undergraduate students and quarter hours for graduate students. The maximum load for both is 18 rs. A student with a 4.25 average or above for the preceding quarter y be allowed by the chief academic adviser or by the dean of his divin to take as many as 21 hours. In no case may a student carry or be dited with more than 21 hours in an yquarter. A student on probation y not take more than 14 hours.

A person should not register for more than 8 hours if he is employed l time.

The Selective Service System requires a minimum of 12 hours to qualify a student deferment. There is a further requirement that he complete hours each year.

The National Defense Education Act requires a minimum of 12 hours qualify for a student loan.

For students receiving benefits under the "GI Bill" (P.L. 358) the foling regulations apply:

	Undergraduate	*Graduate*
ll benefits	14 or more hrs.	12 or more hrs.
benefits	10–13 hrs.	9–11 hrs.
benefits	7–9 hrs.	6–8 hrs.

Program Changes

re attendance does not constitute registration in a class, nor will atdance in a class for which a student is not registered be a basis for ask- that a program change be approved permitting registration in that

class. A student is officially registered only for those courses appearing his registration cards. Any change therefrom can be made only after fe are paid and must be made through an official program change. A stude is considered officially registered after he has cleared his payment of fe at the Bursar's Office.

A program change must be made in order to drop or add a course. student may not drop a course merely by stopping attendance. If a stude desires to drop a course during the second, third, or fourth week of quarter, the change will be approved only when the reasons appear val If a student desires to drop a course after the fourth week, the change w be approved only under unusual conditions. In the last three wee changes will be approved only in extreme emergencies.

A General Studies student desiring to make a program change m secure approval of the General Studies Advisement Office. He, and a other student desiring to make a program change, will then go to t Enrollment Center. He is required to present his fee receipt progr card and must complete the following procedure. After having be cleared with the Enrollment Center, program changes for which a p gram change fee is assessed must be presented to the Business Office payment. The student immediately returns the program change to t Enrollment Center in the Registrar's Office for final processing. A s dent has not completed his program change until he presents it to Enrollment Center. No change is official until the preceding proced is completed.

Withdrawal From School

A student who finds it necessary to withdraw from school while quarter is in progress must report to the Student Affairs Office to initi official withdrawal action.

No withdrawal will be permitted during the last two weeks of a quar except under exceptional conditions. A refunding of fees is permitted o if a withdrawal is officially completed within the first two weeks o quarter and if the application for a refund is received in the Registra Office by July 6, 1970. See the registration calendar for specific da concerning withdrawal and refunding of fees.

Student Responsibility

Each student must assume responsibility for his progress by keeping up-to-date record of the courses he has taken and by checking periodic with his adviser and the Registrar's Office. Responsibility for errors program or in interpretation of regulations of the University rests enti with the student.

Graduation

Each student planning to graduate at the summer commencement m apply for graduation at the time of registration for summer classes. applications for graduation must be received by June 22, 1970, by Registrar's Office.

Student Employment

Students interested in part-time employment on campus during the summer should make early application to the Office of Student Employment, Southern Illinois University, Edwardsville, Illinois.

Hospitalization

Blue Cross and Blue Shield In-hospital Insurance is offered to all students. Cost of the insurance is $9.00 per quarter for single and $28.20 per quarter family plan. This insurance is available at the time of registration.

2 / Workshops and Special Programs

ıe following workshops and special programs are offered during the mmer quarter.

Workshops

Biology

Field Botany Workshop, 470–4, June 15–26, 8:30 A.M.–4:30 P.M., TWThF.

Taxonomy, natural history, and distribution of local plants. Two lec-es and two laboratories per day. Principles of taxonomy; the use of anical keys; methods of preservation, both traditional and innovative; pagation of plants and the natural distribution of plants in the local a. Designed especially for high school teachers of biology as a means enrichment for botany sections of the high school curriculum.

Special Problems in Biology, 593–4, June 15–27.

The purpose of the workshop is to acquaint Midwestern students with arid lands ecosystem and its biota. Individual or collective private nsportation is used. The group either camps or stays in local accom-dations. Students handle their own expenses. Stress is placed on d observation. The group leaves Edwardsville on June 15 and pro-ds westward through Kansas, stopping occasionally to observe Great ins animals and plants. It then proceeds to extreme western Okla-na and spends two days in the Mt. Black Misa area studying outly-elements of Rocky Mountain flora and fauna. From here the group s diagonally across New Mexico, noting transition from highland to land, moist to arid ecosystems. Entering Arizona, it visits Mt. South-tern Field Station of the American Museum of Natural History in Chiricahua Mountains. From here the group travels northwestward the Verde River Valley of central Arizona, traversing lowland desert he process. The course ends at this time, and members may then re-n to Edwardsville or continue on an individual basis.

Business Education

upervised Business Experience and Related Study, 415–6, June 22–y 31, 5:30–9:20 P.M., Tu.

undamentals and Applications of Data Processing, 417–4, June 22–y 17, 1:30–3:20 P.M., MTWThF.

Research in Business Education, 502–4, June 22–August 14, 8:30–9 A.M., MTWThF.

Tests and Measurements in Business Education, 503–4, July 20–gust 14, 10:30 A.M.–12:20 P.M., MTWThF.

Observation and Analysis of Business and Industry, 505b–4, June July 3, 8:30 A.M.–12:20 P.M., MTWThF.

Machine Shorthand, 505c–4, July 20–31, 8:30 A.M.–12:20 P MTWThF.

New Media and Curricula in Business Subjects, 505d–4, July 6 8:30 A.M.–12:20 P.M., MTWThF.

Teaching Data Processing, 507–4, July 20–August 14, 1:30–3:20 P MTWThF.

Improvement of Instruction in Secretarial Subjects, 510–4, August 3 8:30 A.M.–12:20 P.M., MTWThF.

Principles and Problems of Vocational Education, 550–4, June July 17, 10:30 A.M.–12:20 P.M., MTWThF.

Problems Seminar in Business Education, 580–2, July 20–31, 1(A.M.–12:20 P.M., MTWThF.

Counselor Education

Educational Utilization of Community Resources, 485–4, June July 9, 1:30–5:00 P.M., MTWTh.

School Behavior Problems and Their Prevention, 525–4, June July 9, 1:30–5:00 P.M., MTWTh.

Seminar: Problems in Counseling, 545a–4, June 22–July 9, 1:00–4 P.M., MTWTh.

Education Administration

History of Education in the United States, 431–4, June 8–19, 1 5:00 P.M., MTWThF.

Research Methods, 500–4, Section 005, July 20–August 14, 11:30 A 1:20 P.M., MTWThF.

Seminar in Philosophy of Education, 503–4, June 8–19, 9:00 A 12:30 P.M., MTWThF.

A comprehensive philosophic critique of the goals, content, and m odology of public education that focuses upon assumptions concer the nature of intelligence. A reformation of the concept of intellig that accounts for both affective and cognitive aspects of personal

ial life will be offered and related to both educational and societal sideration.

Contrasting Philosophies of Education, 554–4, June 22–July 17, 11:30 .–1:20 P.M., MTWThF.

Education Elementary

Supervision of Student Teaching, 518–4, June 15–July 10, 1:30–3:20 ., MTWThF. (See also Education Secondary 518–4).

The function of the supervisory teacher in the student teacher situa- n. Particular attention is given to the problem of student teaching in public schools. The course is designed for present and prospective chers who wish to be more effective in dealing with student teach-

Education Secondary

Strategy Problems in Community College Teaching, 566–4, July 13– gust 7, 1:30–3:20 P.M., MTWThF.

An inquiry into unique features of teaching in the comprehensive com- nity junior college. Major theories of teaching, learning, and measure- nt are studied with particular reference to the problems of instruction the two-year colleges. Special emphasis will be placed on teaching tegies as they can be utilized in the variety of situations encountered a heterogeneous situation. Innovative programs will be analyzed and luated.

Supervision of Student Teaching, 518–4, June 15–July 10, 1:30–3:20 ., MTWThF. (Same as Education Elementary 518–4).

Workshop in Current Problems in Secondary Education: Junior Col- e, 591–4, August 10–21, 8:30 A.M.–4:00 P.M., MTWThF.

An intensive workshop that is directed to both the junior college in- uctor and instructional specialist and the educator who desires to derstand the nature of the expanding junior college curricula and sent developments. College parallel, occupational-technical, general elopmental and adult and community service programs will be analyzed assistance given in the preparation of new programs for specific eges. Authorities will be on hand to contribute to this study of junior ege programs, and desirable instructional techniques for their imple- ntation.

Geography

Regional Problems in Conservation, 424–4, June 16–July 3, 1:30– 0 P.M., MTWTh.

Urban Planning: Housing and Community Facilities, 470c–4, June 30, 6:00–10:20 P.M., MTTh, 9:00 A.M.–12:00 Noon S.

Workshop in the Teaching of Geography, 480–4, June 16–July 3, 1:3
4:20 P.M., MTWTh.

Health Education

Workshop in Sex Education for Elementary Teachers, 470–3, Augu
10–20, 1:30–5:20 P.M., MTWTh.

This workshop is designed to encourage elementary school teachers
integrate sex education concepts into their teaching program. Curre
theories and knowledge concerning the psycho-social aspects of the matu
tion process will be related to the content used for teaching pupils
various grade levels. Specialists in the areas of psychology, public heal
and social welfare offer a multi-discipline approach to help teachers pl
a program based upon the characteristics and needs of pupils.

Instructional Materials

Preparation of Teacher-Made Audio-Visual Materials, 445–4, Secti
001—June 22–July 3, Section 002—August 3–14, 8:30 A.M.–12:20 P.
for both Sections, MTWThF.

Journalism

Workshop in High School Publications, 424–3, August 3–14, 8:30 A.M.
5:00 P.M., MTWThF.

Special Problems in Journalism: Editing and Typography, 480
June 15–30.

Mathematics (NSF)

Mathematics Summer Institute, NSF, June 22–August 14.

Music

Elementary Music Education Workshop, 455–4, June 15–20, 9:00 A.M.
9:00 P.M. except 12:00 Noon–1:00 P.M. and 4:00–7:00 P.M., MTWTh
also 9:00 A.M.–12:00 Noon, S.

This workshop is designed to explore the learning processes throu
the teaching concepts of Zoltan Kodaly as related to the current mu
materials available to the elementary school music program. In-de
experiences in approaches to understanding notation will be emphasiz

Seminar in Materials and Techniques, 553a–3, June 29–July 16, 8:
11:20 A.M., MTWThF.

Sight-reading of a large quantity of varied choral materials includ
a review of selected new releases. Emphasis will be on the high sch
performance level but sacred works suitable for church choirs will

cluded. Techniques including auditions, administration, seating, pro-amming, score preparation, rehearsal techniques, tone quality, blend d balance, intonation, dynamics, diction, and the like will be discussed d demonstrated.

Vocal Ensemble, 567–1 or 2, June 29–July 16, 12:00 Noon–2:20 P.M., TWTh.

Members of this group are expected to have had a solid background singing choral music. Emphasis will be on Renaissance and contem-rary music with performance preparation as the goal.

Physical Education

Driver Education, 302s–4, June 15–30, 8:30 A.M.–12:30 P.M., MTWThF.

Camping Education, 349–2, June 15–30, 7:30–9:20 A.M., MTWThF.

Workshop in Methods and Materials for Teaching Physical Educa-n Activities in the Elementary School, 350–4, July 13–31, 9:00 A.M.–30 P.M., MTWThF.

This workshop is for supervisors and teachers of physical education. rriculum planning based on grade characteristics and educational losophy, presentation of skills including skill tests, lead-up games, nts and tumbling, games of low organization, creative rhythms, sing-games, and folk dance are the content area.

Preventing Athletic Injuries, 376–3, June 15–30, 1:00–4:00 P.M., TWThF.

Dance for In-Service Teachers, 404–2, June 15–26, 5:30–8:00 P.M., TWThF.

Workshop in Physical Fitness for Elementary School Age Children, gust 10–21, 9:00–11:00 A.M., MTWThF, meet at Peck Building North tio.

The primary purpose of this program is to provide fun and games for ldren through participation in selected recreational activities. The ldren will be exposed to many new games and innovations in the area elementary physical education; primarily outdoor activities will be phasized. The program will be for boys and girls, grades one through en.

Physical Education for the Handicapped, 427–4, June 15–July 3, 9:00 .–1:00 P.M., MTWThF.

Characteristics of handicapped children as they affect the feasibility physical education and recreational activities. Values of specific ac-

tivities for certain types of children, and methods and materials for tea ing physical education and recreation skills. Emphasis on activities su able to classroom, home, and institution.

Teaching Athletic Skills, 476–2 to 4, June 15–30, 1:00–5:00 P. MTWThF.

Science and Technology (NSF)

Science and Technology Summer Institute, NSF, June 22–August

Sociology

Marriage Counseling, 484–4, August 3–20, 6:30–10:20 P.M., MTW

Special Education

Workshop in Special Education, 518–4. Section 001—Assessment a Remediation of Learning Disabilities, June 23–August 14, 11:30 A. 12:20 P.M., MTWThF; Section 002—Drug Use and Abuse, June 15-

Television-Radio

Seminar in Educational Broadcasting, 403–4, June 15–30, 9:00 A. 5:00 P.M., MTWThF.

The classes are held in cooperation with KETC-TV, Channel 9, Louis, Missouri. The course is structured around three areas of lea ing: cognitive, psycho-motor, and affective. The students receive ba ground and utilization information, knowledge of the skills necessary television program production, and the development of positive attitu toward the use of ETV/ITV.

Special Programs

Block Scheduling for Certain Master of Science in Education Cour In order to serve the needs of students, the limitations of time and transportation, the following courses are scheduled in pairs and may taken separately or in any of the combinations:

ED AD 500–4, 001, 7:30–9:20 A.M., TTh (8 weeks)
ED AD 506–4, 001, 10:00 A.M.–12:15 P.M., TTh (8 weeks)

ED AD 503–4, 001, 9:00 A.M.–12:30 P.M., MTWThF (2 weeks) J 8–19
ED AD 431–4, 001, 1:30–5:00 P.M., MTWThF (2 weeks) June 8–1

ED AD 456–4, 001, 2:30–5:00 P.M., MW (8 weeks)
ED AD 500–4, e008, 5:30–7:20 P.M., MW (8 weeks)

D AD 554–4, 002, 11:30 A.M.–1:20 P.M., MTWThF (4 weeks) June 22–July 17

D AD 500–4, 005, 11:30 A.M.–1:20 P.M., MTWThF (4 weeks) July 20–August 14

3/ Schedule of Classes

The University reserves the right to cancel, combine, divide, or limit rollment in any class or classes; to change the date, time, or place meeting; to make any other revisions in these course offerings which n become desirable or necessary; and to do so without notice and with incurring obligation.

Explanation of the Schedule

Courses are listed numerically within each subject-matter area. The en for each course is arranged as follows:

First Line: The course's identification number is followed by the nu ber of quarter hours of credit and the descriptive title. The prerequisi if any, appear in brackets after the title or on the line immediately be the title.

Section-Number Lines: The first column lists the section numb Those sections offered at Edwardsville always begin with 0; those secti offered at Alton always begin with 2; those sections offered at East Louis always begin with 4. Following each section number is the time class begins, between 7:00 A.M. and 4:20 P.M. for daytime classes. ending time is listed only if the class period is longer than 50 minu The section number of each evening class has the letter E prefixed. days when the class meets, the place where it meets, and the instruct last name complete the entry.

The course numbering system is as follows:

000–099 Courses not properly falling in the following categories
100–199 For freshmen
200–299 For sophomores
300–399 For juniors and seniors
400–499 For seniors and graduate students
500–600 For graduate students only

Students registering for courses listed as TBA (to be arranged) sh consult the instructor indicated, or the head of the division if no inst tor is listed, to determine time and place of meeting.

The following list of building abbreviations will help in the locatio classrooms.

ANA	—Annex A—Alton
CB	—Communications Bldg.—Edwardsville
Gym	—Gymnasium—Alton
LB	—Lovejoy Memorial Library—Edwardsville
PB	—John Mason Peck General Classroom Building—Edwardsville
SL	—Science Laboratory Building—Edwardsville
UC	—University Center—Edwardsville
Wagner	—Wagner Building—Edwardsville

Twelve-Week Courses August 31–September 4, 1970

Examinations in other than twelve-week courses will be given during the regularly scheduled periods during the last week of the course.

	Mon. August 31	Tues. September 1	Wed. September 2	Thurs. September 3	Fri. September 4
7:30 to 9:10	All classes beginning at 7:30, except Tu and/or Th only	Classes beginning at 7:30, Tu and/or Th only	All classes beginning at 8:30 except Tu and/or Th only	Classes beginning at 8:30 Tu and/or Th only	Make-up
9:30 to 11:10	Classes beginning at 9:30 Tu and/or Th only	All classes beginning at 10:30 except Tu and/or Th only	Classes beginning at 10:30, Tu and/or Th only	All classes beginning at 9:30 except Tu and/or Th only	All classes beginning at 3:30 except Tu and/or Th only
11:30 to 1:10	All classes beginning at 12:30, except Tu and/or Th only	Classes beginning at 12:30 Tu and/or Th only	Block exam Speech	All classes beginning at 11:30, except Tu and/or Th only	Classes beginning at 11:30 Tu and/or Th only
1:30 to 3:10	Classes beginning at 1:30 Tu and/or Th only	All classes beginning at 1:30 except Tu and/or Th only	All classes beginning at 2:30 except Tu and/or Th only	Classes beginning at 2:30 Tu and/or Th only	Classes beginning at 3:30 Tu and/or Th only
Evening Classes	At regular class sessions				

-eek course.

101a-5	Introduction to Physical Science [Math 101 or satisfactory score on placement test]			
	Student enrolls in one lecture and one lab.			
Lect A	10:30	MTWThF	SL 1105	
Lect B	1:30	MTWThF	SL 1105	
eLect C	6:30-7:50	MWF	SL 1105	
001	10:30-12:20	M	SL 1217	
002	12:30-2:20	M	SL 1217	
003	2:30-4:20	M	SL 1217	
004	8:30-10:20	T	SL 1217	
005	10:30-12:20	T	SL 1217	
006	12:30-2:20	T	SL 1217	
007	2:30-4:20	T	SL 1217	
008	8:30-10:20	W	SL 1217	
e009	8:00-10:00	W	SL 1217	
101c-3	Introduction to Physical Science [101a]			
001	11:30	T Th	SL 3114	
	11:30-1:20	M	SL 2215	
002	11:30	T Th	SL 3114	
	9:30-11:20	W	SL 2215	
003	11:30	T Th	SL 3114	
	11:30-1:20	W	SL 2215	
004	11:30	T Th	SL 3114	
	12:30-2:20	Th	SL 2215	
005	11:30	T Th	SL 3114	
	11:30-1:20	F	SL 2215	
110a-4	The Earth and Its Environment			
001	8:30	MTWTh	PB 1410	Clements
	8:30-10:20	T	SL 1215	
002	9:30	MTWTh	SL 3114	Marlow
	8:30-10:20	Th	SL 1215	
003	9:30	MTWF	SL 3114	Marlow
	8:30-10:20	F	SL 1215	
e004	6:30-8:20	M W	SL 1215	Marlow
110b-4	The Earth and Its Environment			
001	12:30	TWThF	SL 3114	Miller
	11:30-1:20	T	SL 1215	

	11:30-1:20	M	SL 1215	
201a-4	Man's Biological Inheritance [High school chemistry]			
	Lectures will be given by CC-TV. Student enrolls in lecture and one lab.			
Lect A	11:30	MWF	PB 1315	Thomerson
Lect B	11:30	MWF	PB 1316	Thomerson
001	9:30-11:20	M	SL 1210	
002	12:30-2:20	M	SL 1210	
003	2:30-4:20	M	SL 1210	
004	8:30-10:20	T	SL 1210	
005	10:30-12:20	T	SL 1210	
006	12:30-2:20	T	SL 1210	
007	2:30-4:20	T	SL 1210	
008	8:30-10:20	W	SL 1210	
201b-4	Man's Biological Inheritance [201a]			
	Lectures will be given by CC-TV.			
001	10:30	MWF	PB 1315	Kulfinski
	8:30-10:20	Th	SL 1210	
002	10:30	MWF	PB 1315	Kulfinski
	10:30-12:20	Th	SL 1210	
003	10:30	MWF	PB 1315	Kulfinski
	12:30-2:20	Th	SL 1210	
004	10:30	MWF	PB 1315	Kulfinski
	11:30-1:20	F	SL 1210	
312-3	Conservation of Natural Resources			
001	8:30	MWF	PB 0306	Kircher
002	9:30	MWF	PB 1315	Clements
*003	10:30	MTWTh	PB 1410	Kazeck
*004	1:30	MTWTh	PB 0306	Lossau
*e005	8:30-10:20	T Th	PB 1410	Roth
006	8:05-9:20	T Th	PB 0306	Bridwell
330-3	Weather			
*001	11:30	MTWThF	PB 0306	Bridwell
002	9:30	MTWTh	PB 0306	Bridwell
331-3	Climate			
*001	10:30	MTWThF	PB 0306	Thompson
002	12:30	MTWTh	PB 0306	Thompson
*e003	6:00-8:20	M W	PB 0306	Baker
352-3	Radiation and Life			
*001	8:30	MTThF	SL 1221	Wilbraham

356-3	Astronomy			
001	12:30	MWF	SL 1105	
e002	8:30-9:45	M W	SL 1105	
003	9:30	MWF	SL 1105	
363a-3	Philosophy of Science (Same as GSC 363a) [Completion second-level GSA]			
001	10:30	MTTh	PB 0307	
002	1:30	MTTh	PB 0307	

MAN'S SOCIAL INHERITANCE AND SOCIAL RESPONSIBILITIES (GSB)

101b-4	Survey of Western Tradition			
001	8:30	MTWTh	PB 1306	Pearson
002	10:30	MTWTh	PB 1306	Pearson
003	11:30	MTWTh	PB 1306	Gallaher
004	12:30	MTWTh	PB 1306	Steckling
005	1:30	MTWTh	PB 1306	Santoni
101c-4	Survey of Western Tradition			
001	9:30	MTWTh	PB 1306	McCurry
002	1:30	MTWTh	PB 1307	Gallaher
e003	6:30-8:20	T Th	PB 1306	Santoni
103a-4	Sociology-Economics			
001	9:30	MTWTh	LB 0054	
002	10:30	MTWTh	LB 0054	
003	11:30	MTWTh	PB 0304	
004	12:30	MTWTh	PB 2403	
005	1:30	MTWTh	PB 1316	
006	2:30-4:20	M W	PB 2403	Grubb
e007	6:30-8:20	T Th	PB 1414	
e008	5:30-7:20	M W	PB 1311	Henslin
103b-4	Sociology-Economics			
001	10:30-12:20	T Th	PB 1402	
002	12:30-2:20	M W	PB 3305	
e003	6:30-8:20	M W	PB 1402	
201a-4	The Individual and His Cultural Environment			
001	9:30	MTWTh	PB 1316	Aschenbrenner
002	11:30	MTWTh	PB 1410	Aschenbrenner
201c-4	The Individual and His Cultural Environment			
001	8:30-10:20	T Th	SL 1105	
203a-4	American Politics in the World Environment			
001	9:30	MTWTh	PB 1312	Goodman
002	10:30	MTWTh	SL 3114	Maier
003	11:30	MTWTh	PB 1312	
203b-4	American Politics in the World Environment			
001	9:30	MTWTh	PB 1410	Koepke
300a-3	History of the United States			
001	8:30	MTTh	PB 1307	Oldani
002	9:30	MTTh	PB 1307	Millett
003	10:30	MTTh	PB 1307	Nordhauser
004	1:30	MTTh	PB 3302	McCurry
005	2:30	MTTh	PB 1306	Nordhauser
300b-3	History of the United States			
001	11:30	MTTh	PB 1307	Millett
e002	6:30-7:45	T Th	PB 1307	Weiss
300c-3	History of the United States			
001	12:30	MTTh	PB 1307	Weiss
e002	6:30-7:45	M W	PB 1307	Rosenthal
302-3	Contemporary Social Problems			
001	12:30	MTW	PB 0304	Cohen
e002	6:30-7:45	M W	PB 0304	Lauer
312-3	Comparative Economic Systems			
e001	8:30-10:20	T Th	PB 3316	
331-3	The American Educational System			
001	7:30	MTW	PB 1414	
*002	8:30	MTWTh	LB 0054	
003	9:00	MTW	LB 0034	Hildebrand
*004	10:30	M W	PB 1316	Wantling
	10:30	T Th	PB 2306	
005	11:30	W	PB 0413	Richards
	11:30	ThF	PB 2410	
006	12:30	WThF	PB 0303	Pierce
007	1:30	MTW	PB 2412	
*008	2:30-4:20	M W	PB 0302	Taylor
*e009	5:30-7:20	T Th	PB 1311	Pierce
341-3	Marriage			
001	3:30	TWTh	PB 0304	Biggs

*8-week course.

001	8:30	MTW	PB 3422	Graham
002	9:30	MTW	PB 3422	Duncan
003	10:30	MTW	PB 3422	Havens
004	11:30	MTW	PB 3422	Bailey
005	10:30	M W	PB 1308	Sullivan
	10:30	T	PB 2411	
006	12:30	MTW	PB 3422	J. Taylor
007	12:30	MTW	PB 2409	Funkhouser
e008	6:30-7:45	T Th	PB 3422	McCluskey

155-5 Introduction to Art

001	8:30	MTWThF	LB 0044	M. Smith
002	10:30	MTWThF	LB 0044	Milovich

156-5 Introduction to Music History-Literature

001	9:30	MTWThF	PB 1402	Schieber

157-5 The Dramatic Media: Theater, Cinema, and Television

001	11:30	MTWThF	LB 0044	Kluth, et al.

252-4 Logic [Completion first-level GSC]

001	8:30	MTWTh	PB 0307	
002	8:30	MTWTh	PB 0309	
003	10:30	MTWTh	PB 0406	
004	11:30	MTWTh	PB 0307	
005	11:30	MTWTh	PB 0309	
006	12:30	MTWTh	PB 0309	
007	1:30	MTWTh	LB 0055	
e008	6:30-8:20	M W	PB 0314	
e009	8:30-10:20	T Th	PB 1306	

253-4 Literary Masterpieces of Antiquity [151]

001	8:30	MTWTh	PB 1414	Bailey
*002	10:30	MTWThF	PB 1414	Ades
003	12:30	MTWTh	PB 1414	Stanley
e004	6:30-8:20	M W	PB 1414	Stanley
e005	6:30-8:20	M W	PB 2403	Stafford

254-4 Philosophical Masterpieces [Completion first-level GSC]

001	8:30	MTWTh	PB 0406	
002	9:30	MTWTh	PB 0307	Glossop
003	10:30	MTWTh	PB 0408	
e007	8:30-10:20	T Th	PB 0314	

313-3 Folklore [Completion second-level GSC]

*001	9:30	MTWTh	PB 0408	Oldani

315-3 Studies in Biography [Completion second-level GSC]

*001	12:30	MTWTh	PB 3102	Steinman

325-3 Afro-American Literature [Second-level GSC]

001	1:30	MTTh	LB 0054	

330-3 Religion, Reason, and Man [Completion second-level GSC]

*001	9:30	MTWTh	PB 0309	F. Marti

335-3 Studies in Short Fiction [Completion second-level GSC]

*001	9:30	MTWTh	PB 3102	Sullivan
*002	10:30	MTWTh	PB 3102	Frogner
*003	11:30	MTWTh	PB 3102	Murphy

336-3 Studies in the Novel [Completion second-level GSC]

*001	11:30	MTWTh	PB 2409	Duncan

354a-3 History of the Theater

001	8:30	MWF	PB 2306	Birdman

354b-3 History of the Theater

001	10:30	MWF	PB 2306	Birdman

358-3 Jazz (Same as Mus 358)

001	11:30	MWF	SL 3114	Joseph

360b-3 Arts and Ideals in Famous Cities [Completion second-level GSC]

*001	11:30	MTWTh	PB 0406	F. Marti

363a-3 Philosophy of Science (Same as GSA 363a) [Completion second-level GSC]

001	10:30	MTTh	PB 0307	
002	1:30	MTTh	PB 0307	

363b-3 Philosophy of Science (Same as GSA 363b) [Completion second-level GSC]

001	12:30	MTTh	PB 0307	

370c-3 American Art

001	9:30	MWF	LB 0044	Hilberry

375-3 Ethics [Completion second-level GSC]

e001	8:30-9:45	M W	PB 0307	

ORGANIZATION AND COMMUNICATION OF IDEAS (GSD)

101a-3	English Composition			
001	8:30	MTW	PB 3409	Pennell
002	8:30	MTW	PB 2415	Ziegler
003	9:30	MTW	PB 3409	Going
004	9:30	MTW	PB 2415	Ziegler
005	10:30	MTW	PB 3409	Van Syoc
006	10:30	MTW	PB 2415	Pennell
007	10:30	MTW	PB 2414	Fixmer
008	11:30	MTW	PB 3409	Weir
009	11:30	MTW	PB 2415	Fixmer
010	11:30	MTW	PB 2414	Butler
011	12:30	MTW	PB 2410	Hollander
012	12:30	MTW	PB 3409	Weir
013	12:30	MTW	PB 2415	Butler
014	1:30	MTW	PB 3422	Weir
015	1:30	MTW	PB 3409	Stafford
e016	8:30-9:45	T Th	PB 3422	McCluskey
e017	6:30-7:45	M W	PB 3409	McCluskey
101b-3	English Composition [101a]			
001	8:30	MTW	PB 2414	Crook
002	8:30	MTW	PB 2413	Divine
003	9:30	MTW	PB 2414	Hoyenga
004	9:30	MTW	PB 2413	Crook
005	10:30	MTW	PB 2413	Hobbie
006	10:30	MTW	PB 2406	W. J. Meyer
007	11:30	MTW	PB 2413	McAlister
008	11:30	MTW	PB 2406	W. C. Meyer
009	12:30	MTW	PB 2414	W. J. Meyer
010	12:30	MTW	PB 2413	Peterson
011	1:30	MTW	PB 2415	Funkhouser
e012	8:30-9:45	M W	PB 3422	Stanley
e013	6:30-7:45	T Th	PB 3409	Peterson
103-3	Oral Communication of Ideas			
001	8:30	MWF	PB 1302	White
002	8:30	M W	CB 0186	Stoppe
	8:30	F	PB 2304	
003	8:30	T Th	CB 0186	Stoppe
	8:30	F	PB 2304	
004	9:30	M W	PB 1302	Stoppe
	9:30	F	PB 2304	
005	9:30	T Th	CB 0194	Stoppe
	9:30	F	PB 2304	
006	10:30	M W	CB 0186	Hawkins
	10:30	F	PB 2304	
007	10:30	T Th	CB 0186	Hawkins
	10:30	F	PB 2304	
008	10:30	M W	PB 1309	Glenn
	10:30	F	PB 3303	
009	10:30	T Th	PB 1308	Glenn
	10:30	F	PB 3303	
010	11:30	M W	PB 1309	Glenn
	11:30	F	PB 2304	
011	11:30	T Th	PB 1308	Glenn
	11:30	F	PB 2304	
012	11:30	M W	CB 0194	Salden
	11:30	F	PB 3303	
013	11:30	T Th	CB 0194	Salden
	11:30	F	PB 3303	
014	12:30	M W	CB 0186	Salden
	12:30	F	PB 2304	
015	12:30	T Th	CB 0186	Salden
	12:30	F	PB 2304	
112a-4	Introduction to Mathematics [One year high school algebra or satisfactory ACT score]			
001	12:30	MTThF	PB 1312	
002	1:30	MTThF	PB 1312	
114a-5	College Algebra [One and one-half years high school algebra, or one year high school geometry]			
001	8:30	MTWThF	PB 0302	
002	9:30	MTWThF	PB 0302	
003	12:30	MTWThF	PB 0302	
004	1:30	MTWThF	PB 0302	
114c-4	Trigonometry [114a]			
001	10:30	MTThF	PB 0302	

*8-week course.

course.

003	8:30-10:20	M W	PB 2405	
e004	6:30-8:20	M W	PB 1410	
123a-3	Elementary French [Consent of chairman or no previous training, concurrent enrollment in 123b]			
001	9:30	MWF	PB 2411	Pellegrino
123b-3	Elementary French [Consent of chairman or no previous training, concurrent enrollment in 123a]			
001	10:30	MWF	PB 2411	Pellegrino
126-9	Elementary German [Consent of chairman or no previous training]			
001	7:30	MTWThF	PB 2409	Spahn
	9:30	MTWTh	PB 2409	
136b-3	Elementary Russian [GSD 136a or equivalent, concurrent enrollment in 136c]			
e001	6:30	MTTh	PB 2409	Zaytzeff
136c-3	Elementary Russian [Concurrent enrollment in 136b]			
e001	7:30	MTTh	PB 2409	Zaytzeff
140-9	Elementary Spanish [Consent of chairman or no previous training]			
001	9:30	MTWTh	PB 2410	Romani
	10:30	MTWThF	PB 2410	

HEALTH AND PHYSICAL DEVELOPMENT (GSE)

116a-1	Beginning Swimming			
*001	11:30-12:50	M W	Tower Lake	Luedke
116b-1	Intermediate Swimming			
*001	11:30-12:50	M W	Tower Lake	Luedke
116d-1	Life Saving and Water Safety [Intermediate swimming proficiency]			
*001	9:30-10:50	T Th	Tower Lake	Archangel
117a-1	Square Dance			
*001	3:30	TThF	LB 0033	Martin
117b-1	Folk Dance			
*e001	4:30	TThF	LB 0033	Martin
117f-1	Basic Thythms			
*001	11:30	MWF	LB 0033	Martin
118a-1	Archery			
*001	9:30	MWF	PB N Patio	Martin
118d-1	Bowling			
001	9:30	M W	UC 0017	Showers
002	9:30	T Th	UC 0017	Showers
003	10:30	T Th	UC 0017	Showers
118e-1	Golf			
*001	7:30-8:50	M W	LB 0056	Luedke
*002	9:30-10:50	M W	PB N Patio	Luedke
118h-1	Tennis			
*001	8:30-9:50	T Th	PB N Patio	Luedke
118i-1	Volleyball			
*001	10:30-11:50	T Th	PB N Patio	Luedke
*002	3:30-4:50	M W	PB N Patio	Buddell
118l-1	Sailing [Swimming proficiency]			
*001	7:30-9:20	M W	LB 0055	Archangel
*002	7:30-9:20	T Th	LB 0055	Archangel
118o-1	Boating and Canoeing [Intermediate swimming proficiency]			
*001	9:30-10:50	M W	Tower Lake	Archangel
201-3	Healthful Living			
	Four hours TBA for Sections 001 and 002.			
*001	7:30	MTWTh	PB 2306	Kristoff
*002	8:30	MTWTh	PB 1316	Lee
e003	5:30-8:20	W	PB 1316	Buddell

ACCOUNTING (ACCT)

230-4	Accounting Principles			
001	8:30-10:20	M W	PB 2304	
002	8:30-10:20	T Th	PB 3303	
231-4	Financial Accounting Analysis [230]			
001	10:30-12:20	M W	PB 3303	
002	10:30-12:20	T Th	PB 2304	

330-4	Managerial Cost and Budgeting				
001	8:30-10:20	M W	PB 3302		
341-4	Cost Accounting Principles				
001	12:30-2:20	M W	PB 3303		
351a-4	Accounting Theory and Problems I				
001	12:30-2:20	T Th	PB 3303		
351b-4	Accounting Theory and Problems II [351a]				
001	8:30-10:20	T Th	PB 2304		
453-4	Advanced Accounting Problems [351b]				
001	12:30-2:20	T Th	PB 3315		
456-4	Auditing [351b, 442]				
001	10:30-12:20	M W	PB 2304		
538-4	Seminar in Accounting				
e001	6:30-10:20	W	PB 2304		

ANTHROPOLOGY (ANTH)

375-4 to 8	Archeological Field Methods			
001	TBA			Denny
470-4	Special Topics in Anthropology			
001	TBA			Denny
482-4	Indians of the Plains			
*001	10:30	MTWThF	PB 2403	Voget

ART (ART)

100a-5	Basic Studio: Drawing			
001	10:30-12:20	MTWThF	SL 0218	J. Smith
100b-5	Basic Studio: Color and Design			
001	8:30-10:20	MTWThF	SL 0217	Milovich
100c-5	Basic Studio: Figure Drawing			
001	1:30-3:20	MTWThF	SL 0225	Hampton
202a-3	Intermediate Studio: Sculpture [100a,b,c]			
001	8:30-11:20	T Th	Wagner 193	Huntley
202b-3	Intermediate Studio: Print Making [100a,b,c]			
001	10:30-12:20	MWF	SL 0210	Freund
202c-3	Intermediate Studio: Ceramics [100a,b,c]			
001	1:30-4:20	T Th	Wagner 198	Freund
202d-3	Intermediate Studio: Painting [100a,b,c]			
001	1:30-4:20	T Th	Wagner 198	Freund
300a-4	Art Education [Junior standing, by permit only]			
*001	10:30-12:20	MTWTh	SL 0209	Buddemeyer
300b-4	Art Education [Junior standing, by permit only]			
*001	8:30-10:20	MTWTh	SL 0209	J. Smith
310a,b,c-4	Painting [202-9 including 202d]			
001	10:30-12:20	MTWTh	Wagner 198	Hampton
325a,b,c-4	Studio [By permit only]			
*001	TBA		SL 0222	Holm
393a,c-4	Sculpture [202-9 including 202a]			
001	12:30-2:20	MTWTh	Wagner 193	Huntley
401-4	Research in Painting [310a,b,c]			
001	1:30-4:20	M W	Wagner 198	Freund
	1:30-3:20	F	Wagner 198	
405-4	Studio in Sculpture [393a,b,c]			
001	12:30-2:20	MTWTh	Wagner 193	Huntley
410-4	Research in Prints [358a,b,c]			
001	12:30-2:20	MTWTh	SL 0210	Richardson
420-4	Research in Pottery [305a,b,c]			
*001	10:30-12:20	MTWThF	Wagner 192	Sande
441a,b,c-3	Studio in Drawing [12 hours of 300-level art]			
001	8:30-10:20	MWF	SL 0225	Davis
460-2 to 12	Research in Art Education			
*001	TBA			Holm
466-2 to 12	Studio in Art Education			
*001	TBA		SL 0222	Holm
483-3	Research in Art History [By permit only]			
001	TBA			Hilberry
501-4	Graduate Painting			
001	1:30-4:20	M W	Wagner 198	Freund
	1:30-3:20	F		
502-4	Graduate Sculpture			
001	12:30-2:20	MTWTh	Wagner 193	Huntley
511-4	Graduate Printmaking			
001	12:30-2:20	MTWTh	SL 0210	Richardson
520-4	Graduate Ceramics			
*001	10:30-12:20	MTWThF	Wagner 192	Sande

*8-week course.

st course.

001 TBA

BIOLOGY (BIOL)

444-4 Integrative Physiology [301a, 302a, organic chemistry or concurrent enrollment, or consent of instructor]
*001 10:30 MTWTh PB 0410 Ratzlaff
1:30-4:20 T SL 3218

485-4 Ichthyology [302a or consent of instructor]
*001 8:30-10:20 M F PB 0410 Thomerson
1:30-4:20 M F SL 3217

493-2 to 6 Research in Biology [Consent of chairman]
001 TBA

591-1 to 4 Readings in Biology [Consent of chairman]
001 TBA

593-1 to 4 Special Problems in Biology [Consent of chairman]
001 TBA

599-2 to 6 Research and Thesis [Consent of chairman]
001 TBA

BUSINESS ADMINISTRATION (B A)

541-4 Business and Its Legal Environment [MBA students only]
e001 6:30-10:20 W PB 3303

545-4 Social Framework of Business [M S 510, 511, 580]
e001 6:30-10:20 Th PB 3404

549-4 Corporation Policy Formulation and Administration [Final quarter standing]
e001 6:30-10:20 T PB 3404

BUSINESS EDUCATION (BS ED)

201a-3 Typewriting
001 TBA PB 3415
001 TBA PB 3415

221b-4 Shorthand and Transcription [221a]
Additional hours TBA.
001 1:30 T PB 3417

304-3 Advanced Typing [201c]
001 TBA PB 3415

324a-4 Advanced Shorthand and Transcription [221c]
Additional hours TBA.
001 1:30 Th PB 3417

415-6 Supervised Business Experience and Related Study [200 hours of supervised occupational experience before completion]
Meets June 22-July 31 See workshops and special programs.
e001 5:30-9:20 T PB 3102

417-4 Fundamentals and Applications of Data Processing
Meets June 22-July 17. See workshops and special programs.
001 1:30-3:20 MTWThF CB 0186

502-4 Research in Business Education [500, 503, 550]
First meeting June 22.
*001 8:30 MTWThF PB 0413

503-4 Tests and Measurements in Business Education [C Ed 420 or Econ 307 or Math 410]
Meets July 20-August 14. See workshops and special programs.
001 10:30-12:20 MTWThF LB 0056

505b-4 Observation and Analysis of Business and Industry
Meets June 22-July 3. See workshops and special programs.
001 8:30-12:20 MTWThF PB 3417

505c-4 Machine Shorthand
Meets July 20-31. See workshops and special programs.
001 8:30-12:20 MTWThF PB 3417

505d-4 New Media and Curricula in Business Subjects
Meets July 6-17. See workshops and special programs.
001 8:30-12:20 MTWThF PB 3417

*8-week course.

507-4 Teaching Data Processing
Meets July 20-August 14. See workshops and special programs.
001 1:30-3:20 MTWThF CB 0186

510-4 Improvement of Instruction in Secretarial Subjects
Meets August 3-14. See workshops and special programs.
001 8:30-12:20 MTWThF PB 3417

530-4 Research Seminar in Business Education
See workshops and special programs. For all information concerning location call 2732.
*001 9:30 MTWThF TBA

550-4 Principles and Problems of Vocational Education
Meets June 22-July 17. See workshops and special programs.
001 10:30-12:20 MTWThF LB 0056

580-2 Problems Seminar in Business Education [42 graduate level hours]
See workshops and special programs. For information concerning location call 2732.
001 10:30-12:20 MTWThF TBA

590-2 to 5 Readings in Business Education
001 TBA

591-2 to-5 Individual Research in Business Education
For information concerning location call 2732.
*001 9:30 MTWThF TBA

599-4 to 9 Thesis
001 TBA

CHEMISTRY (CHEM)

105-5 Introduction to Chemistry
001 8:30 MWF SL 3114
8:30 Th SL 1220
8:30-11:20 T SL 2215
002 8:30 MWF SL 3114
12:30 Th SL 2224
12:30-2:20 T SL 2115
003 8:30 MWF SL 3114
8:30 T SL 1220
8:30-11:20 Th SL 2215

235-5 General Quantitative Analysis [111c]
001 1:30-2:45 T Th SL 3114
9:30-12:20 T Th SL 2216
002 1:30-2:45 T Th SL 3114
9:30-12:20 T Th SL 2217

311-3 Inorganic Chemistry [111c]
*001 8:30 MTThF SL 1221 Hall

449-2 Special Topics in Organic Chemistry: Heterocyclic Chemistry [Consent of instructor]
*e001 5:30-6:45 M W SL 1220 Patrick

469-2 Special Topics in Physical Chemistry: Group Theory and Symmetry [Consent of instructor]
*e001 7:00-8:15 M W SL 2224 White

496-2 to 6 Chemical Problems [Consent of chairman]
001 TBA

549-2 Advanced Topics in Organic Chemistry: Heterocyclic Chemistry [Consent of instructor]
*e001 5:30-6:45 M W SL 1220 Patrick

569-2 Advanced Topics in Physical Chemistry: Group Theory and Symmetry [Consent of instructor]
*e001 7:00-8:15 M W SL 2224 White

596-1 to 2 Advanced Chemical Problems [Consent of chairman]
001 TBA

597-3 to 9 Research and Thesis [Consent of chairman]
001 TBA

COUNSELOR EDUCATION (C ED)

305-4 Educational Psychology [By permit only, sections 003 and 004 for Ed S concentrations only]
*001 8:00-10:20 M W PB 3313 Troyer
*e002 5:30-8:20 M W PB 1312 Repovich
*003 8:00-10:20 M W PB 2403 Ahlbrand
*004 8:00-10:20 T Th PB 2403 Ahlbrand

420-4 Educational Statistics

ee course.

001	1:30-5:00	MTWTh	PB 3313	Chenault
501-2 to 6	Special Research Problems			
001	TBA			
511-4	Educational Implications of Learning Theories			
001	1:30-3:20	M W	PB 0412	Mermis
515-4	Psychological Aspects of Education			
*001	1:00-3:20	T Th	PB 1308	Mermis
522-4	Educational Measurements II			
*001	1:00-3:20	T Th	PB 2411	King
525-4	School Behavior Problems and their Prevention Meets June 22-July 9. See workshops and special programs.			
001	1:30-5:00	MTWTh	PB 1410	Meredith
537-4	Counseling Theory and Practice I			
*001	8:00-10:20	M W	PB 1308	Chenault
538-4	Counseling Theory and Practice II			
*001	1:00-3:20	T Th	PB 3317	Soper
541-4	Occupational Information and Guidance			
001	1:30-3:20	M W	PB 2411	Rochester
542-4	Basic Principles of Guidance			
001	12:30-2:20	M W	PB 0312	Davis
543-4	Guidance Through Groups			
e001	5:30-8:20	W	PB 2406	Mermis
e002	5:30-8:20	Th	PB 2406	Davis
545a-4	Seminar: Problems in Counseling Meets June 22-July 9. See workshops and special programs.			
001	1:00-5:00	MTWTh	PB 2304	Combs
545j-4	Seminar: Organization and Administration			
*001	1:30-4:00	T Th	PB 2406	Davis
562a-4	Child Development in Education			
*001	12:30-3:00	M W	PB 1315	Troyer
562b-4	Adolescent Development in Education			
e001	5:30-8:20	T	PB 0304	Combs
575c-4	Practicum in Secondary Guidance			
001	TBA			Moore, Soper

students registered in the Deans College. Student should contact Dr. Eric Sturley, Coordinator, for permission to enroll in these courses.

ECONOMICS (ECON)

200-4	Macroeconomics [Sophomore standing]			
001	12:30-2:20	T Th	PB 3305	
e002	6:30-8:20	M W	PB 1315	
201-4	Microeconomics [Sophomore standing]			
001	10:30-12:20	M W	PB 2405	
e002	6:30-8:20	T Th	PB 1312	
300-4	The Monetary System and Economic Policy [200, 201]			
001	10:30-12:20	T Th	PB 1315	
e002	6:30-8:20	T Th	PB 3305	
340-4	Intermediate Micro Theory			
001	8:30-10:20	T Th	PB 3302	
429-4	International Economics [200, 201]			
e001	6:30-8:20	M W	PB 2410	
441-4	Intermediate Macro Theory [200, 201 or consent of chairman]			
001	10:30-12:20	T Th	PB 1316	
481-3	Comparative Economic Systems [200, 201]			
001	10:30-12:20	T Th	PB 3303	

EDUCATION ADMINISTRATION (ED AD)

355-4	Philosophy of Education [C Ed 355, consent of Education Division Student Services Office]			
001	8:30-10:20	T Th	PB 0312	Taylor
002	10:30-12:20	M W	PB 1402	Taylor
003	12:30-2:20	M W	PB 3316	Popp
004	12:30-2:20	T Th	PB 3316	Popp
005	1:30-3:20	M W	PB 3102	Curry
e006	5:30-7:20	T Th	PB 2411	Hofmann
*e007	7:30-9:50	M W	PB 2411	Curry
420-4	Legal Basis of American Education			
*001	2:30-5:00	T Th	PB 0307	Ackerlund

431-4	History of Education in the United States Meets June 8-19. See workshops and special programs.				
001	1:30-5:00	MTWThF	Pract Ctr	Allsup	
456-4	School Supervision				
*001	2:30-5:00	M W	PB 0307	Helsel	
500-4	Research Methods Section 005 meets July 20-August 14. See workshops and special programs. See workshops and special programs for sections 001 and 008.				
*001	7:30-9:20	T Th	PB 1302	Repovich	
*002	8:30-10:20	T Th	PB 0410	Richards	
*003	10:30-12:20	M W	PB 3317	Popp	
*004	10:30-12:20	W F	LB 0055	Pierce	
005	11:30-1:20	MTWThF	LB 0054	Hildebrand	
*006	12:30-2:20	T Th	PB 0410	McBride	
*007	1:30-3:20	T Th	SL 2231	Richards	
*e008	5:30-7:20	M W	PB 0410	Hildebrand	
501-4	Seminar in Educational Administration				
*e001	5:30-8:00	T Th	PB 0307	Helsel	
503-4	Seminar in Philosophy of Education Section 001 meets June 8-19; see workshops and special programs.				
001	9:00-12:30	MTWThF	Pract Ctr	Villemain	
*002	1:30-3:45	T Th	LB 0056	Hofmann	
506-4	Contemporary Educational Theory See workshops and special programs.				
*001	10:00-12:15	T Th	LB 0034	Mason	
511a,b,c-4	Internship Practicum [Consent of chairman]				
*001	TBA				
520-4	Illinois School Law				
*001	2:30-5:00	M W	PB 0309	Wilkins	
524-4	School Administration				
*e001	5:30-8:00	T Th	PB 0309	Krchniak	
525-4	Personnel Administration				
*e001	5:30-8:00	M W	PB 0307	Ackerlund	
533-4	School Buildings				
*001	2:30-5:00	T Th	PB 0309	Andree	
554-4	Contrasting Philosophies of Education Section 001 see workshops and special programs. Section 002 meets June 22-July 17; see workshops and special programs.				
*001	10:00-12:15	M W	LB 0034	Hofmann	
002	11:30-1:20	MTWThF	LB 0054	Curry	
556-4	Seminar in Educational Supervision				
*001	2:30-5:00	T Th	PB 3409	Wheat	
560-4	Curriculum				
*001	8:30	MTWThF	PB 0408	Smyers	
575a-k-4	Individual Research [Consent of chairman]				
*001	TBA				
580-4	Research Seminar in Urban Education				
*001	1:30-3:20	T Th	PB 2306	Gore	
596-5 to 9	Independent Investigation [Consent of chairman]				
*001	TBA				

ELEMENTARY EDUCATION (ED EL)

314-4	Elementary School Methods [Ed Ad 355, consent of Education Division Student Services Office] Both sections should reserve the period from 8:30-10:20, MTWTh, for class sessions or public school laboratory experience.				
001	8:30	MTWTh	PB 1412	Steinbrook	
002	9:30	MTWTh	PB 1414	Steinbrook	
337-4	Reading in the Elementary Schools [C Ed 305, Ed Ad 314, 355]				
001	8:30	MTWTh	PB 0403	O'Malley	
002	12:30	MTWTh	PB 1412	Steinbrook	
350d-8 to 12	Kindergarten-Primary Student Teaching [C Ed 305, Ed Ad 316, 355, approval of elementary education adviser]				
001	TBA				
350e-4 to 8	Advanced Kindergarten-Primary Student Teaching [350d]				
001	TBA				
351d-8 to 16	Elementary Student Teaching [C Ed 305, Ed Ad 314,				

*8-week course.

ecourse.

413-4 Children's Literature [C Ed 205]

001	11:30	MTWThF	PB 1414	Darnell
*002	1:30	MTWThF	PB 2403	Carpenter

415-4 Improvement of Instruction in Arithmetic in the Elementary School

*001	10:30	MTWThF	PB 3302	Jordan

442-4 Science for the Elementary Teacher [314]

*001	8:00-10:20	M W	PB 0409	Bliss
*002	8:00-10:20	T Th	PB 0409	Bliss

480-4 Backgrounds of Urban Education

*001	1:30-3:20	M W	PB 2306	Burnett

505-4 Improvement of Reading Instruction
First meeting June 29.

*001	12:30	MTWThF	PB 0403	Bear

507-2 to 4 Readings in Reading [505, consent of instructor]

001	TBA			Bear

513-4 Materials and Methods for the Assessment of the Disabled Reader [505]
Reading clinic laboratory experience TBA.

*001	9:30-11:20	T Th	PB 1302	Richardson

518-4 Supervision of Student Teaching
Meets June 15-July 10. See workshops and special programs.

001	1:30-3:20	MTWThF	PB 0409	Wehling

521a-4 Diagnosis and Correction of Reading Disabilities [513, consent of instructor]
Student enrolls for lecture and one clinic. First meeting June 29.

*Lect	10:30	MTWTh	PB 0403	Bear
*Clinic 1	8:30	MTWTh	PB 0405	
*Clinic 2	9:30	MTWTh	PB 0405	

542-4 Language Arts in the Elementary School

*001	1:30	MTWThF	PB 0403	Darnell

543-4 Teaching the Social Studies in the Elementary School

*001	11:30	MTWThF	PB 0403	Carpenter

Meets July 14-August 14.

e001	5:30-8:00	TThF	PB 2306	Comer

575a-k-4 Independent Investigation

001	TBA			

580-4 Research Seminar in Urban Education

*001	1:30-3:20	T Th	PB 2306	Gore

For curriculum see Ed Ad 560.

SECONDARY EDUCATION (ED S)

315-4 High School Methods [Ed Ad 355, consent of Education Division Student Services Office and instructor]
Recommended during quarter preceding student teaching. Section 001 restricted to students enrolled in C Ed 305, Section 001, Spring Quarter, 1970.

001	11:30-1:20	M W	PB 0412	Ahlbrand
002	12:30-2:20	M W	PB 0413	Madson
003	1:30-3:20	T Th	PB 0412	Wilson

352d-8 to 16 Secondary Student Teaching [315, consent of Education Division Student Services Office]
002 to 025 TBA
Specific sections cover each subject offered in secondary schools.

480-4 Backgrounds of Urban Education

*001	1:30-3:20	M W	PB 2306	Burnett

488-4 Teaching the Social Studies in the Secondary School

*001	12:30-2:50	T Th	PB 0413	Keefe

505-4 Improvement of Reading Instruction
First meeting June 29.

*001	12:30	MTWThF	PB 0403	Bear

507-2 to 4 Readings in Reading [505, consent of instructor]

*001	TBA			Bear

508-4 Seminar: Trends in Selected Areas in Secondary Education

*001	8:30	MTWThF	PB 3102	Schnabel

513-4 Materials and Methods for the Assessment of the Disabled Reader
Reading clinic laboratory experience TBA.
*001 9:30-11:20 T Th PB 1302 Richardson

518-4 Supervision of Student Teaching
Meets June 15-July 10. See workshops and special programs.
001 1:30-3:20 MTWThF PB 0409

521a-4 Diagnosis and Correction of Reading Disabilities [513, consent of instructor]
Student enrolls in lecture and one clinic. First meeting June 29.
*Lect 10:30 MTWTh PB 0403 Bear
*Clinic 1 8:30 MTWTh PB 0405
*Clinic 2 9:30 MTWTh PB 0405

550-4 Improvement of Instruction in Middle and Junior High School
*001 9:30 MTWThF LB 0056 Hileman

562-4 Secondary School Curriculum
*001 10:30-12:50 M W PB 0409 Smyers

564-4 High School Principalship
*e001 5:30-8:00 T Th PB 2410 Andree

566-4 Strategy Problems in Community College Teaching
Meets July 13-August 7. See workshops and special programs.
001 1:30-3:20 MTWThF PB 0406 Boss

575a-j-4 Individual Research [Consent of chairman]
For research areas see Graduate Catalog.
001 TBA Bliss

580-4 Research Seminar in Urban Education
*001 1:30-3:20 T Th PB 2306 Gore

591-4 Workshop in Current Problems in Secondary Education
Section 002: Junior College. Section 002 meets August 10-21. See workshops and special programs.
*001 10:30-12:50 T Th PB 0409
002 8:30-4:00 MTWThF GOB 2225 Boss

*8-week course.

ENGINEERING (ENGR)

310a-3 Physical Electronics [200, Phys 300]
e001 8:30-9:45 T Th SL 0226 Brown

311a-3 Engineering Materials [260a, 300]
001 9:30 MWF SL 1220 Korn

312a-1 Engineering Materials Laboratory [Concurrent enrollment in 311a]
001 10:30-1:20 M SL 0116a Korn
002 10:30-1:20 W SL 0116a Korn

ENGLISH (ENG)

300-4 Principles of English Grammar [Completion second-level GSC]
*001 9:30 MTWThF PB 3404 Van Syoc

302a-4 Survey English Literature to 1550 [Completion second-level GSC]
e001 8:30-10:20 M W PB 3404 Lawrence

302b-4 Survey English Literature: 1550-1750 [Completion second-level GSC]
*001 10:30 MTWThF PB 0413 Slattery

302c-4 Survey English Literature After 1750 [Completion second-level GSC]
*001 8:30 MTWThF PB 2409 Going

309a-4 Survey American Literature to 1860 [Completion second-level GSC]
*001 11:30 MTWThF PB 2412 Zanger

309b-4 Survey American Literature Since 1860 [Completion second-level GSC]
*001 9:30 MTWThF PB 0412 Havens

365-4 Shakespeare [Completion second-level GSC]
*001 9:30 MTWThF PB 0413 Murphy

391-3 Usage in Spoken and Written English [Completion second-level GSC]
*001 8:30 MTWTh PB 2411 Steinman
*002 1:30 MTWTh PB 3404 Frogner
*e003 6:30-8:20 M W PB 3404 Lawrence

ee course.

441-4 The 18th Century Essay [Completion second-level GSC, junior standing]
*001 11:30 MTWThF PB 2411 Graham
468-4 American Drama [Completion second-level GSC, junior standing, 309a or b]
*001 8:30 MTWThF PB 2406 Zanger
485-4 Problems in Teaching English [Completion second-level GSC, junior standing]
*001 12:30 MTWThF PB 2406 W. C. Meyer
490-4 Advanced Composition [Completion second-level GSC, junior standing]
*001 11:30-1:20 T F PB 1309 Havens
499-2 to 4 Readings in English [Consent of chairman]
001 TBA
500-4 Materials and Methods of Research in English [Graduate standing]
*001 8:30 MTWThF PB 2410 Hoyenga
504-4 Advanced English Syntax [Graduate standing]
*001 10:30 MTWThF SL 2231 Wood
514-4 Studies in Restoration and 18th Century Literature: Pope [Graduate standing]
*001 9:30 MTWThF SL 2231 Slattery
537-4 Studies in 20th Century American Writers: O'Neill [Graduate standing]
*001 11:30 MTWThF SL 2231 Going
555-4 Studies in the Victorian Novel: Dickens [Graduate standing]
*001 12:30 MTWThF PB 1302 Duncan
585-4 Teaching College Composition [Graduate standing]
*001 12:30-2:20 M T PB 2410 Hollander
1:30 W PB 2410
598-4 Independent Review of English and American Literature [Consent of chairman]
001 TBA
599-2 to 6 Thesis [Consent of chairman]
001 TBA

001 12:30-2:20 T Th PB 2405
e002 6:30-8:20 M W PB 3305
423-4 Commercial Banking Operations [420]
001 8:30-10:20 T Th PB 1308
424-4 Financial Institutions [420]
001 10:30-12:20 M W PB 3315

FOREIGN LANGUAGES (F L)

399-2 to 6 Readings [Consent of chairman, by permit only]
001 TBA

FRENCH (FREN)

123a-1 French Conversation [Concurrent enrollment in GSD 123a and Fr 123b]
001 9:30 T PB 2411 Zaytzeff
123b-1 French Conversation [Concurrent enrollment in GSD 123b and Fr 123a]
001 9:30 Th PB 2411 Zaytzeff
451a-2 Seminar [Concurrent enrollment in 451b and c]
001 TBA
451b-2 Seminar [Concurrent enrollment in 451a and c]
001 TBA
451c-2 Seminar [Concurrent enrollment in 451a and b]
001 TBA
499-4 Readings in French [Consent of chairman, by permit only]
*001 9:30 MTWThF PB 3317
520-4 Graduate Composition and Diction [Graduate standing]
*001 11:30 MTWThF PB 1302

GERMAN (GER)

126-3 German Conversation [Concurrent enrollment in GSD 126]
001 10:30 MTW PB 2409 Spahn

499-2 to 6 Readings in German [Consent of chairman, by permit only]
001 TBA

ITALIAN (ITAL)

499-2 to 6 Readings in Italian [Consent of chairman, by permit only]
001 TBA

SPANISH (SPAN)

140-3 Spanish Conversation [Concurrent enrollment in GSD 140]
001 11:30 MTW PB 2410 Romani
451a-2 Spanish Seminar [Concurrent enrollment in 451b and c]
001 TBA
451b-2 Spanish Seminar [Concurrent enrollment in 451a and c]
001 TBA
451c-2 Spanish Seminar [Concurrent enrollment in 451b and c]
001 TBA
499-2 to 6 Readings in Spanish [Consent of chairman, by permit only]
001 TBA

GENERAL BUSINESS ADMINISTRATION (GBA)

140-4 Introduction to Business
001 10:30-12:20 M PB 3305
10:30-12:20 W PB 3305
002 10:30-12:20 M PB 3305
10:30-12:20 W PB 0302
003 10:30-12:20 M PB 3305
10:30-12:20 W PB 1307
004 2:30-4:20 T PB 3303
2:30-4:20 Th PB 3303
005 2:30-4:20 T PB 3303
2:30-4:20 Th PB 2414
e006 8:30-10:20 T PB 3305
e007 8:30-10:20 T PB 3305
8:30-10:20 Th PB 3302
e008 8:30-10:20 T PB 3305
8:30-10:20 Th PB 3303
440-4 Legal Environment of Business [140]
001 8:30-10:20 M W PB 3303
441-4 Business Policy [341, senior standing]
e001 6:30-8:20 T Th PB 3316

GEOGRAPHY (GEOG)

302-4 Introduction to Physical Geography
*001 10:30 MTWThF SL 1215 Miller
304-4 Introduction to Economic Geography [GSB 203b]
*001 11:30 MTWThF PB 1412 Kircher
308-3 Introduction to Geographic Methods
*001 10:30 MTWThF PB 1412 Lossau
424-4 Regional Problems in Conservation [Consent of instructor]
Eight hour field trips TBA. Meets June 16-July 3. See workshops and special programs.
001 1:30-4:20 MTWTh SL 1215 Kircher
462a-4 Regional Geography of Europe
*001 9:30 MTWThF PB 1412 Lampe
470c-4 Urban Planning: Housing and Community Facilities
Meets June 15-29.
e001 6:00-10:20 MTTh PB 0408 Moody,
9:00-12:00 S PB 0408 Farris
470d-4 Urban Planning: Planning Problems [308]
*e001 6:30-8:20 M W SL 1216
470e-4 Urban Planning: Internship [308]
001 TBA Tract 14b Lossau
480-4 Workshop in the Teaching of Geography
Eight hour field trips TBA. Meets June 16-July 3. See workshops and special programs.
001 1:30-4:20 MTWTh PB 1412 Lampe
490d-2 Tutorial in Geography [Consent of chairman]
001 TBA

*8-week course.

e course.

001	TBA			
572b-4	Quantitative Planning Research			
*e001	5:30-7:20	M W	PB 1412	Lossau
573b-4	Urban Renewal			
	Field trips TBA.			
*e001	5:30-7:20	T Th	Tract 14b	Roth
599-2 to 8	Thesis			
001	TBA			

GOVERNMENT (GOVT)

200-4	Introduction to Political Science			
001	11:30	MTWTh	PB 2403	Maier, Lee
321-1 to 6	Readings in Government [Consent of chairman]			
001	TBA			
345b-4	American Political Parties and Interest Groups [GSB 203a]			
001	9:30	MTWTh	PB 1313	Lee
355a-4	Latin American Political Systems			
001	1:30	MTWTh	PB 1313	Maier
445a-4	American Political Behavior [GSB 203a]			
001	11:30	MTWTh	PB 1313	Tubbesing
445b-4	Personality and Politics in the United States [GSB 203a]			
001	10:30	MTWTh	PB 1313	Wides
500-4	Scope and Method of Political Science			
001	12:30	MTWTh	PB 1313	Wides
521-1 to 6	Readings in Government [Consent of chairman]			
001	TBA			
555-4	Seminar in Comparative Politics			
*001	TBA			Stahnke
575-4	Seminar in International Relations			
*001	TBA			Glaser
599-2 to 6	Thesis [Consent of chairman]			
001	TBA			

	Eight hours TBA.			
*001	2:30	MTWThF	LB 0033	Klein
400-4	Health Appraisal of School Children			
	Eight hours TBA.			
*001	10:30	MTWThF	PB 2412	Klein
470-3	Workshop in Sex Education for Elementary Teachers Meets August 10-20. See workshops and special programs.			
001	1:30-5:20	MTWTh	PB 1402	Taylor

HISTORY (HIST)

326-3	History of the Arab-Israeli Conflict			
*001	1:30	MTWTh	PB 1414	Grant
332a-3	Medieval History: 500-1000 [Sophomore standing]			
*001	9:30	MTWTh	LB 0055	Steckling
410-2 to 5	Special Readings in History [Consent of chairman, minimum 4.0 GPA in history]			
001	TBA			
415b-4	Early Modern Europe: Reformation [GSB 101b,c]			
001	7:30	MTWTh	PB 1306	Pearson
440b-3	History of American Diplomacy: 1913-1945 [GSB 300a,b,c]			
001	10:30	MTTh	LB 0055	Weiss
445-3	The Russian Revolutions: 1900-1930 [GSB 101c]			
*001	11:30	MTWTh	PB 3302	Santoni
451-3	A Survey of Historical Writing [GSB 101b,c]			
*001	12:30	MTWTh	PB 3404	Erickson
454-3	Biography in American History [GSB 300a,b,c]			
001	11:30	MTTh	LB 0055	McCurry
470-3	Argentina, Brazil, and Chile			
*001	8:30	MTWTh	PB 0412	Millett
500-4	History Seminar [Graduate standing]			
001	2:30-4:20	T Th	PB 2415	Gallaher
510-2 to 5	Readings in History [Consent of chairman, minimum 4.0 GPA in history]			
001	TBA			

553-3	New Viewpoints in American History [Graduate standing]				
*001	1:30	MTWTh	PB 2414	Rosenthal
599-1 to 9	Thesis [Consent of chairman]			
001	TBA			

INSTRUCTIONAL MATERIALS (I M)

417-4	Audio-visual Methods in Education Student enrolls for one section and arranges two and one-half hours per week self-instruction. Meets June 22-July 17.			
001	12:30-4:00	M W	LB 0044	Mitchell
002	12:30-4:00	T Th	LB 0044	Gilligan
445-4	Preparation of Teacher-Made Audio-Visual Materials [417] Section 001 meets June 22-July 3. Section 002 meets August 3-14.			
001	8:30-12:20	MTWThF	LB 0042	Madison
002	8:30-12:20	MTWThF	LB 0042	Madison
*003	1:30-4:00	M W	LB 0042	Joyner
*004	1:30-4:00	T Th	LB 0042	Joyner
458-4	The Medium of the Motion Picture			
001	7:30-9:20	T Th	LB 0056	Joyner
510-4	Mass Communication in Education			
*001	2:30-4:20	T Th	LB 0034	Thota
514-4	Survey of Research and Development in Instructional Materials			
*001	12:30-2:20	M W	LB 0034	Thota
546-4	Integration of Audio-visual Materials in the Classroom			
001	12:30-2:20	T Th	LB 0034	Thota
576-2 to 8	Problems in Instructional Materials [Consent of instructor]			
001	TBA			Madison

JOURNALISM (JRNL)

210a-3	Photojournalism [103, by permit only] Laboratory TBA.			
e001	4:30	M	CB 0194	Ward
245-4	Contributions of Journalism to Literature			
001	11:30-1:20	M W	PB 1308	Ward
352a-4	Magazine Article Writing I [103 or 391 or by permit]			
001	1:30-3:20	T Th	CB 0194	
391-3	Feature Writing			
001	9:30-11:00	T Th	PB 1309	Thiel
402-2	Journalism Practicum [Concentration in mass communications, by permit]			
001	8:30	T Th	CB 0194	Thiel
424-3	Workshop in High School Publications Meets August 3-14. See workshops and special programs.			
001	8:30-5:00	MTWThF	TBA	Ward

MANAGEMENT SCIENCE (M S)

310-4	Operations Research for Managers [QM 211]			
001	8:30-10:20	T Th	PB 2405	
381-4	Management Systems II [310, 380]			
001	10:30-12:20	M W	PB 3316	
e002	6:30-8:20	M W	PB 3302	
518-4	Seminar in Probabilistic Models [513, 583]			
e001	6:30-10:20	M	PB 0406	
580-4	Management Systems [MBA standing]			
e001	6:30-10:20	M	PB 3315	

MARKETING (MKTG)

371-4	Principles of Marketing [QM 211]			
001	8:30-10:20	T Th	PB 3305	
e002	6:30-8:20	M W	PB 3316	
452-4	Physical Distribution Management [470, QM 316]			
001	10:30-12:20	T Th	PB 3316	
472-4	Sales Policy and Management [470]			
001	8:30-10:20	T Th	PB 3316	

*8-week course.

ee course.

578-4 Seminar in Marketing [573] [illegible]

MATHEMATICS (MATH)

101-4 Fundamental Mathematics
- 001 8:30 MTWThF PB 0304
- 002 9:30 MTWThF PB 0304
- 003 1:30 MTWThF PB 0304
- 004 2:30 MTWThF PB 0304

150a-4 Elementary Calculus and Analytic Geometry [GSD 114c]
- 001 12:30 MTThF SL 0226
- 002 1:30 MTThF SL 0226

150b-4 Elementary Calculus and Analytic Geometry [150a]
- 001 11:30 MTThF SL 0226

225-4 Programming for Digital Computers [GSD 114a]
- 001 10:30 M W PB 0304
  11:30 M W CB 0186
- 002 10:30 M W PB 0304
  10:30-12:20 F CB 0186
- 003 10:30 M W PB 0304
  11:30 T Th CB 0186

250-4 Calculus and Analytic Geometry [150b]
- 001 10:30 MTThF SL 0226

305-4 Applied Mathematics for Physical Sciences [250]
- 001 12:30 MTWF SL 2224

310-4 The Teaching of Elementary Mathematics [GSD 112b]
- *001 8:30 MTWThF PB 0303
- *002 10:30 MTWThF SL 2224

321-4 Elementary Matrix Algebra [150b]
- 001 1:30 MTThF SL 2224

350a-4 Multivariable Calculus [250]
- e001 6:30-8:20 M W SL 1224
- 002 11:30 MTThF PB 0303

chairman]
- 001 TBA

400-3 History of Mathematics [350]
- *001 11:30 MTThF PB 0413

405b-4 Applied Mathematics for Physical Sciences [305]
- 001 1:30 MTThF PB 0303

410d-4 Statistical Analysis [410a or GSD 114d]
- *001 10:30 MTWThF PB 1312

425-3 Theory of Numbers [321, 350]
- *001 9:30 MTWF PB 0303

430-4 Projective Geometry [250]
- *001 10:30 MTWThF PB 0303

483c-3 Introduction to Mathematical Statistics [483b]
- e001 6:30-7:45 M W SL 1221

530a-3 Point Set Topology [Consent of chairman, concurrent enrollment in 530b]
- 001 12:30 MWF SL 1221

530b-3 Point Set Topology [Consent of chairman, concurrent enrollment in 530a]
- 001 1:30 MWF SL 1221

545-4 Intermediate Analysis for High School Teachers [Consent of instructor]
- *001 11:30 MTWThF SL 1221

550a-1 to 10 Seminar [Consent of instructor]
- 001 TBA

595-1 to 10 Special Project
- 001 TBA

599-1 to 9 Thesis
- 001 TBA

NSF MATHEMATICS SUMMER INSTITUTE (MATH)

Meets June 22-August 14.

440-4 Modern Algebra for Teachers [NSF Institute student or consent of instructor]
- 001 9:30 MTWThF SL 1221 Lindstrum

442-4 Survey of Geometry [NSF Institute student or consent of instructor]
001 10:30 MTWThF SL 1221 Lindstrum
447-4 The Structure of Secondary School Mathematics [NSF Institute student or consent of instructor]
001 8:00 MTWThF SL 1224 Pendergrass
550e-3 Seminar: Mathematics Education [NSF Institute student]
001 1:30 MWF SL 1224 Phillips
1:30 T SL 1221 Phillips
002 1:30 MWF SL 1224 Phillips
1:30 Th SL 1221 Phillips

MUSIC (MUS)

001b-1 University Band
001 11:30 MWTh CB 1029 Fjerstad
002b-1 University Chorus
*001 12:30 MWF CB 1029 Vang
010b-1 Class Applied Music: Woodwinds
001 9:30 MWF CB 1029 Oberlag
010c-1 Class Applied Music: Brass
001 8:30 MWF CB 1029 Fjerstad
105c-4 Theory of Music [105b]
001 8:30 MTWThF PB 3404 Pival
140a-u-2 or 4 Private Applied Music [By permit only]
001 TBA

a. Violin	h. Bassoon	o. Tuba
b. Viola	i. Saxophone	p. Baritone
c. Cello	j. Percussion	q. Voice
d. String Bass	k. Piano	r. Organ
e. Flute	l. French Horn	s. Harpsichord
f. Oboe	m. Trumpet	t. Harp
g. Clarinet	n. Trombone	u. Guitar

200-3 Fundamentals of Music
*001 10:30 MTWTh PB 3404 Tarwater
240a-u-2 or 4 Private Applied Music [By permit only]

300-3 Music Education—Elementary
*001 11:30 MTWThF PB 3404 Williamson
340a-u-2 or 4 Private Applied Music [By permit only]
See 140a-u.
001 TBA
358-3 Jazz (Same as GSC 358)
001 11:30 MWF SL 3114 Joseph
411a-3 Music Literature: Symphonic [By permit only]
Six weeks course.
001 TBA CB 0194 Susskind
420-1 Music Education Practicum [By permit only]
*001 12:30 MWTh CB 0194 Brauer
440a-u-2 or 4 Private Applied Music [By permit only]
See Music 140a-u.
001 TBA
455-4 Elementary Music Education Workshop [By permit only]
Meets June 15-20. See workshops and special programs.
001 9:00-12:00 MTWThF PB 3404 Tulloss,
1:00-4:00 Vang
7:00-9:00
9:00-12:00 S
461a,b-3 Teaching Techniques and Materials
001 TBA Premezzi
481-2 to 3 Readings in Music Theory [By permit only]
*001 TBA
482-2 to 3 Readings in Music History and Literature [By permit only]
*001 TBA
483-2 to 3 Readings in Music Education [By permit only]
*001 TBA
501-3 Introduction to Graduate Study in Music [By permit only]
*001 10:30 MTWTh CB 0194 Blakely
502a-3 History and Analysis of Musical Style [By permit only]
*001 8:30-10:20 M W CB 0194 Warren

*8-week course.

ee course.

*001	TBA			
553a-3	Seminar in Materials and Techniques [By permit only]			
	Meets June 29-July 16. See workshops and special programs.			
001	8:30-11:20	MTWThF	CB 0158	VanCamp, Vang
566-1 or 2	Instrumental Ensemble [By permit only]			
*001	11:30	MWTh	CB 1029	Fjerstad
567-1 or 2	Vocal Ensemble [By permit only]			
	Meets June 29-July 16. See workshops and special programs.			
001	12:00-2:20	MTWTh	CB 0158	Van Camp
599-2 to 6	Thesis [By permit only]			
*001	TBA			

NURSING (NURS)

280a-4	Nursing and Community Health			
	Meets June 23-July 10.			
001	9:30-11:20	M W	LB 0012	
	12:30-2:00	M W	LB 0012	
	2:30-4:20	T	LB 0012	
	8:00-1:30	T Th	Agency	
280b-4	Nursing and Community Health			
	Meets July 13-August 4.			
001	9:30-11:20	M W	LB 0012	
	12:30-2:00	M W	LB 0012	
	2:30-4:20	T	LB 0012	
	8:00-1:30	T Th	Agency	
280c-4	Nursing and Community Health			
	Meets August 5-28.			
001	9:30-11:20	M W	LB 0012	
	12:30-2:00	M W	LB 0012	
	2:30-4:20	T	LB 0012	
	8:00-1:30	T Th	Agency	

452-4	Advanced Problems in Personnel Administration [450]			
001	8:30-10:20	T Th	PB 3315	
453-4	Advanced Problems in Industrial Relations [451]			
001	10:30-12:20	T Th	PB 2405	

PHILOSOPHY (PHIL)

200-4	Introduction to Philosophy			
*001	10:30	MTWThF	PB 0412	Emblom
301-4	Philosophy of Religion [Sophomore standing]			
001	11:30	MTWTh	PB 0408	Glossop
302-4	World Religions [Sophomore standing]			
001	12:30	MTWTh	PB 0408	Linden
360-4	Philosophy of Art [Sophomore standing]			
001	9:30	MTWTh	PB 0406	Linden
495-2 to 6	Independent Readings [Consent of chairman]			
001	TBA			
502a-2	Methods of Teaching Philosophy [Graduate standing]			
001	TBA			
502b-2	Methods of Teaching Philosophy [Graduate standing]			
001	TBA			
545-4	Rationalism: Descartes [Graduate standing]			
001	10:30-12:20	T Th	PB 3317	Corr
575-4	Seminar in Problems of Philosophy: Free-Will [Graduate standing]			
001	1:30-3:20	T Th	PB 1309	Glossop

PHYSICAL EDUCATION (P E)

312-4 to 6	Playground Leadership			
*001	TBA			Lee
341-3	Principles of Physical Education			
001	10:30	MWF	PB 1302	Showers

350-4		Methods and Materials for Teaching Physical Education Activities in the Elementary School Section 002 meets July 13-31. See workshops and special programs.			
	001	8:00	MTWThF	LB 0033	Moehn
	002	9:00-12:30	MTWThF	LB 0033	Moehn
355-2		Techniques of Teaching Swimming [Senior life-saving certificate or concurrent enrollment in GSE 116d]			
	*001	11:00-12:20	MTWTh	Tower Lake	Archangel
389-4		Affiliation in Physical Education			
	001	TBA			Herrold
427-4		Workshop in Physical Education and Recreation for the Handicapped (Same as Sp Ed 427) Meets June 15-July 3. See workshops and special programs.			
	001	9:00-1:00	MTWThF	LB 0033	Moehn
475-4		Individual Research			
	001	TBA			Herrold
504-4		Problems in Physical Education			
	*001	12:30	MTWThF	PB 2412	Showers
525-4		Readings in Physical Education			
	001	TBA			Herrold

*8-week course.

PHYSICS (PHYS)

211b-4		University Physics		
	001	11:30	MWF	SL 1105
		11:30	T Th	SL 1105
	002	11:30	MWF	SL 1105
		11:30	T Th	PB 0412
212b-1		University Physics Laboratory [Concurrent enrollment in 211]		
	001	1:30-4:20	Th	SL 1217
	002	1:30-4:20	F	SL 1217
	003	8:30-11:20	F	SL 1217
300a-4		Introduction to Modern Physics [211, or 206 and Math 150]		
	001	9:30	MWF	SL 0226
		9:30	T Th	SL 0226
	002	9:30	MWF	SL 0226
		9:30	T Th	SL 1220
300b-1		University Physics Laboratory IV [Concurrent enrollment in 300a]		
	001	1:30-4:20	M	SL 0212
	002	1:30-4:20	W	SL 0212
304-4		Thermodynamics and Kinetic Theory [211b]		
	001	10:30	MTThF	SL 1220
375-2		Seminar [Consent of instructor]		
	001	3:30-5:20	W	SL 0226
415a-4		Wave Mechanics [300a, Math 305]		
	001	12:30	MTThF	SL 1220
419b-4		Introduction to Theoretical Physics [300a, Math 305]		
	001	11:30	MTThF	SL 1220
530c-3		Electromagnetic Theory [530b]		
	001	1:30	MWF	SL 1220
575-2		Graduate Seminar		
	001	3:30-5:20	W	SL 0226
590-1 to 5		Research in Physics (Thesis)		
	001	TBA		

PSYCHOLOGY (PSYC)

211a-4		Principles and Methods of Psychology [GSB 201c]		
	001	8:30-10:20	T Th	SL 2212
211b-4		Principles and Methods of Psychology [211a]		
	001	1:30-3:20	T Th	PB 2409
301-4		Child Psychology [GSB 201c]		
	001	8:30-10:20	M W	PB 0312
	e002	6:30-8:20	T Th	PB 0312
303-4		Adolescent Psychology [GSB 201c]		
	001	10:30-12:20	M W	PB 0312
	e002	6:30-8:20	M W	PB 0312
305-4		Introduction to Personality Dynamics [GSB 201c]		

ee course.

311-4		Experimental Psychology: Learning [211d]			
	001	1:30-3:20	M W	SL 2212	
314-4		Experimental Psychology: Physiological [311]			
	001	1:30-3:20	T Th	SL 2212	
320-4		Industrial Psychology			
	001	10:30-12:20	M W	PB 3313	
406-4		Learning Processes			
	001	10:30-12:20	T Th	PB 3313	Brinkmann
409-4		History and Systems			
	001	8:30-10:20	T Th	PB 3313	
421-4		Psychological Tests and Measurements			
	*001	1:30-3:45	M W	PB 2409	
431-4		Psychopathology			
	*001	1:30-3:45	T Th	PB 1315	
432-4		Mental Hygiene			
	*001	1:30-3:45	T Th	PB 0312	
440-4		Theories of Personality			
	*001	1:30-3:45	T Th	PB 3102	
465-4		Group Dynamics and Individual Behavior			
	*001	1:30-3:45	M W	PB 2413	
	*002	1:30-3:45	T Th	PB 2413	
490-1 to 4		Independent Projects			
	001	TBA			
531-4		Advanced Psychopathology			
		Meets first two Thursdays only			
	*e001	5:30-8:20	T Th	PB 2413	
541a-4		Psychodiagnostics I			
	e001	5:30-8:20	M	PB 2413	
541b-4		Psychodiagnostics I			
	e001	5:30-8:20	W	PB 2413	
543a-4		Psychodiagnostics II			
		Meets first two Thursdays only.			
	e001	5:30-8:20	T Th	PB 2414	
564-4		Communication and Group Behavior [Graduate standing]			
		Meets June 22-July 23.			
	e001	5:30-8:20	T Th	PB 2403	
	001	TBA			
593-2 to 4		Practicum in Psychology			
	001	TBA			
599-2 to 4		Thesis			
	001	TBA			

QUANTITATIVE METHODS (Q M)

210-4		Introduction to Quantitative Methods			
	001	8:30-10:20	M W	PB 3315	
211-4		Statistical Analysis for Business Decisions [GSD 114d]			
	001	10:30-12:20	T Th	PB 3315	
	e002	6:30-8:20	T Th	PB 3303	

SCIENCE AND TECHNOLOGY (SC & T)

421-4		Basic Concepts in Chemistry			
	*001	2:30-4:00	MWF	SL 2224	Hall

NSF SUMMER INSTITUTE SCIENCE AND TECHNOLOGY (SC & T)

		Meets June 22-August 14. See workshops and special programs.			
401b-5		Classical Mechanics			
	001	9:00-10:30	MTThF	SL 1225	
403b-3		Experiments and Techniques of Physics			
	001	9:00-11:45	W	SL 1218	
		1:00-3:30	T Th	SL 1218	
501-3		History and Philosophy of Science			
	001	1:00-2:15	MWF	SL 1225	
502-4		Modern Physics II			
	001	10:45-12:00	MTThF	SL 1225	

*8-week course.

SOCIOLOGY (SOC)

301-4		Social Theory and Methods of Inquiry			
	e001	5:30-7:20	M W	PB 0303	Grubb
321-4		Introduction to Social Psychology			
	e001	5:30-7:20	T Th	PB 0303	Henslin
335-4		Urban Sociology			
	001	10:30-12:20	T Th	PB 3305	Campbell
340-4		The Family			
	001	1:30	MTWTh	PB 0408	Biggs
396-1 to 5		Readings in Sociology [Consent of chairman]			
	001	TBA			
406-4		Social Change			
	001	3:30-5:20	M W	PB 0412	Lauer
435-4		Social Inequality			
	001	2:30	MTWTh	PB 0303	Cohen
424-4		Collective Behavior			
	001	3:30-5:20	T Th	PB 3315	Campisi
460-4		Sociology of Punishment			
	001	1:30-3:20	M W	PB 3315	Campisi
484-4		Marriage Counseling			
		Meets August 3-20. See workshops and special programs.			
	e001	6:30-10:20	MTWTh	PB 0412	Taylor
536-4		Seminar in Bureaucracy			
	001	1:30-3:20	T Th	PB 1302	Campbell
596-2 to 12		Readings in Sociology			
	001	TBA			
599-2 to 9		Thesis			
	001	TBA			

SOCIAL WELFARE (SOC W)

375-4		Social Welfare as a Social Institution			
	001	3:30-5:20	T Th	PB 0302	Teer
389-2 to 5		Readings in Social Welfare			
	001	TBA			
481-4		Processes in Social Work			
	e001	6:30-8:20	T Th	PB 0302	Teer
482b-4		Social Work in Selected Agencies			
	001	TBA			Teer

SPECIAL EDUCATION (SP ED)

410a-4		Problems and Characteristics of the Emotionally Disturbed Child [414]			
	*001	8:30	MTWThF	PB 0314	
410b-4		Problems and Characteristics of the Mentally Retarded Child [414]			
	*001	1:30-4:00	M W	PB 0314	
410g-4		Problems and Characteristics of the Learning Disabled Child [414]			
	*001	10:30	MTWThF	PB 0314	Long
414-4		The Exceptional Child			
	*001	11:30	MTWThF	PB 2306	Troutt
420a-4		Methods and Materials in the Education of the Emotionally Disturbed [410a]			
	*001	9:30	MTWThF	PB 0314	
420b-4		Methods and Materials in the Education of the Educable Mentally Handicapped [410b]			
	*001	1:30-4:00	T Th	PB 0314	
427-4		Physical Education and Recreation for the Handicapped (Same as P E 427)			
		Meets June 15-July 3.			
	001	9:00-1:00	MTWThF	LB 0033	Moehn
428-4		Speech Correction for the Classroom Teacher (Same as S P & A 428)			
	*001	9:30	MTWThF	CB 0186	St. Onge
481c-4		Seminar: Gifted [410c]			
	*001	10:30	MTWThF	PB 0309	Troutt
496-4		Readings and Independent Study in Special Education [Consent of chairman]			
	*001	TBA			Whiteside
501-4		Special Research Problem			
	001	TBA			

programs.

001	9:00-2:00	MTWThF	PB 1311	Whiteside

518-4 Workshop in Special Education [410g or concurrent enrollment]
Section 001: Assessment and Remediation of Learning Disabilities.

*001	11:30	MTWThF	PB 0314	Long

577-4 to 8 Practicum in Special Education [Consent of chairman]
*001 TBA

SPEECH (SPCH)

500-4 Survey of Classical Rhetoric

*001	1:30-3:20	M W	PB 1302	White

530-4 Research Problems
001 TBA

SPEECH PATHOLOGY AND AUDIOLOGY (S P & A)

200-4 Phoentics

001	8:30	MTThF	CB 2012	Maag

203-4 Introduction to Speech Science

001	9:30	MTThF	CB 2012	Maag

405a,b,c-4 Practicum in Speech and Hearing Therapy
Additional hours TBA.

001	8:30	W	CB 2012	Lieblich

428-4 Speech Correction for the Classroom Teacher (Same as Sp Ed 428)

*001	9:30	MTWThF	CB 0186	St. Onge

521-4 Seminar: Articulation and Delayed Speech

*001	11:30	MTWThF	CB 2012	Lieblich

522d-4 Seminar: Organic Speech Problems: Voice Disorders

*001	10:30	MTWThF	CB 2012	Carey

theater]
001 TBA

200-0,2,4, or 6 Second Year Work in Theater [Consent of director of theater]
001 TBA

300-0,2,4, or 6 Third Year Work in Theater [Consent of director of theater]
001 TBA

400-0,2,4, or 6 Fourth Year Work in Theater [Consent of director of theater]
001 TBA

Students enrolling in Theater 100-400 must be advised by the Director of University Theater, Dr. Kluth, CB 1038, before their appointment with General Studies Advisement and before registering. Students will be assigned the following hours according to the amount of credit taken:

	Business Practices Studio			
	1:30-2:20	T Th	CB 2015	Birdman
	Dance/Stage Movement Studio			
	9:30-10:20	MWThF	CB 2015	Wiltz
	Dance/Musical Workshop			
	10:30-12:20	MTWThF	CB 2015	Wiltz
	Technical Theater Studio			
	2:30-4:20	T Th	CB 2015	Vilhauer
	Repertory Rehearsal			
	6:30-9:20	MTWThF	CB 2015	Vilhauer

509-4 High School Theater and Its Production Problems

*001	12:30	MTWThF	CB 2015	Kluth

TELEVISION-RADIO (TV-R)

201-4 Continuity Writing

001	9:30	MWF	CB 1014	Regnell

252-4 Television Laboratory [By permit only]

001	10:30	MWF	CB 1014	Moormann
	10:30-12:20	T Th	CB 1012	

302b-4		Television News [201]			
	001	2:30-4:20	MWF	CB 0194	Rider
356-4		Motion Picture Production for Television I [By permit only]			
	001	8:30-10:20	T Th	CB 1014	Treble
390-3		Special Problems in Mass Communications [By permit only]			
	001	TBA			
401-4		Criticism in the Public Arts [By permit only] Laboratory TBA.			
	001	11:30	M W	CB 1014	Shaheen
403-4		Seminar in Educational Broadcasting [By permit only] Laboratory TBA.			
	001	8:30	MWF	CB 1014	Treble
406-4		Special Events [By permit only] Laboratory TBA.			
	001	11:30	T Th	CB 1014	Shaheen
408-4		Television and Radio Regulations [By permit only, 200]			
	001	10:30	T Th	CB 1014	Regnell

WORK SHEET—STUDENT'S ACADEMIC PROGRAM Quarter _____ Year _____

The General Studies student should submit this form to General Studies Advisement; the non-General Studies student to the sectioning center.

Name _____
(Last) (First) (Middle) (Record Number)

Address _____
(Number and Street) (City and State) (Phone Number)

Concentration _____ Secondary Concentration _____

Class _____ Day ( ) Evening ( ) Number of hours student works _____

SUBJECT AREA	COURSE NO.	SEC.	QTR. HRS.	BLDG. & ROOM	HOURS						INSTRUCTOR
					M	Tu	W	Th	F	S	

Edwardsville, Illinois 62025

uthern Illinois University

Bulletin

-1971 Graduate School Catalog/Edwardsville

SIU

OBJECTIVES OF SOUTHERN ILLINOIS UNIVERSITY

TO EXALT BEAUTY
In God,
in nature, and
in art;
Teaching how to love the best
but to keep the human touch;

TO ADVANCE LEARNING
In all lines of truth
wherever they may lead,
Showing how to think
rather than what to think,
Assisting the powers
of the mind
In their self-development;

TO FORWARD IDEAS AND IDEALS
In our democracy,
Inspiring respect for others
as for ourselves,
Ever promoting freedom
with responsibility;

TO BECOME A CENTER OF ORDER AND LIGHT
That knowledge may lead
to understanding
And understanding
to wisdom.

Southern Illinois University

Bulletin

970–1971 Graduate School Catalog/Edwardsville

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 5, March 1, 1970. Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville Illinois 62025. Published by Southern Illinois University, Carbondale, Illinois 62901, monthly except February, March, April, and December, when published semi-monthly.

SIU

This Issue . . . . . .

of the *Southern Illinois University Bulletin* covers in detail questions concerning the Graduate School and applies to the Edwardsville Campus. It supersedes Volume 11, Number 3.

THE FOLLOWING ISSUES of the *Southern Illinois University Bulletin* may be obtained free from Central Publications, Southern Illinois University, Edwardsville, Illinois 62025.

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Undergraduate Catalog. The catalog is available for examination in high school guidance offices and libraries throughout Illinois and in some other states. Copies will be furnished free to educational institutions upon request and to new students upon matriculation. A copy of either edition (Carbondale or Edwardsville) of the catalog may be purchased at the University Bookstore for $1; mail orders should be sent to Central Publications and must include remittance payable to Southern Illinois University.

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	Memorial Day Holiday	Friday, May 29
	Final Examinations	Monday–Saturday, June 8–13
	Commencement (Carbondale)	Friday, June 12
	Commencement (Edwardsville)	Saturday, June 13
SUMMER, 1970	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
FALL, 1970	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
WINTER, 1971	Quarter Begins	Monday, January 4 *
	Washington's Birthday Holiday	Monday, February 15
	Final Examinations	Saturday–Friday, March 13–19
SPRING, 1971	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12

* Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and with the evening classes after 4:30 P.M. on the Edwardsville Campus.

Board of Trustees and Officers of Administration

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1 / The Graduate School

The Role of the Graduate School

The Graduate School is the central agency for organizing and supervising all graduate work of the University and for facilitating the research of the University. It plays an essential role in the development of instructional and research programs, in the acquisition of funds, and in the procurement of facilities necessary to encourage and support the research of the members of its scholarly community. In addition, the Graduate School is a major contributor to the public services provided by the University to the region, the state, the nation, and a number of other countries. In all of its programs of instruction and research, the Graduate School sets a high standard of achievement. It is in those students who have demonstrated this quality of excellence by completing advanced courses of study and by achieving significant results in their research that the Graduate School makes its major contribution to the public welfare.

Lovejoy Library

The Elijah P. Lovejoy Library contains about 430,000 volumes; 225,000 United States, Illinois, and international organization government document items; 50,000 maps; 8,500 phonograph records; and a number of special research collections. About 50,000 volumes are added annually and 3,500 periodicals are subscribed to. The Alton and East St. Louis Libraries also contain about 20,000 volumes each, mostly chosen to support the General Studies programs at those locations. In addition, the resources of the Morris Library at Carbondale, over a million volumes, are available to faculty and graduate students. A printed catalog and other aids are available for the identification of materials which may be borrowed. Similarly accessible are the 2,000,000 volumes of the Center for Research Libraries, Chicago. Special memberships also permit faculty and graduate students to use the St. Louis Mercantile Library and the Missouri Historical Society Library.

Other areas of particular strength include:

1. A considerable collection of curriculum guides, children's books, current school texts, and other specialized materials in education.
2. Files of Negro newspapers on microfilm.
3. A collection of documents on more than one hundred reels of microfilm on the history of the Mormons in Illinois.
4. Over 100,000 items of sheet music and scores of American popular music.
5. A Slavic and East European collection of about 4,000 volumes which includes a large number of rare Czech-American imprints.

6. Several thousand books, pamphlets, newspaper issues and periodicals, many of them in German, on the history of Naziism and related movements in the United States.

7. A collection of about 3,000 anti-slavery pamphlets on microcards, which is part of the Library's larger collection devoted to abolitionist literature and to both historical and contemporary civil rights literature.

The Lovejoy Library is also a major source of materials on the history of the region which the Edwardsville Campus serves.

Lists of current periodicals and other serials are also available.

Research

Research is the special concern of the Graduate School because its faculty must engage in scholarly research activities to maintain its effectiveness and also because advanced instruction of graduate students consists mainly of guidance in research. For these reasons, University policies governing research are developed by the Graduate School and administered through it.

The Office of Research and Projects has been established in the Graduate School to assist in the continuing development of the research activities of the University. University support for individual research projects is available to faculty members through the special research projects program administered by this office. The Office of Research and Projects also supervises cooperative research projects and particularly assists applicants in the preparation and submission of research proposals that involve outside support from such sources as government, foundations, business, and industry.

Data Processing and Computing Center

The Data Processing and Computing Center of Southern Illinois University is a centralized facility which was established in 1962 to serve the research, instruction, administration, and area service computer needs of the University. The center is presently located in the basement of the Communications Building in rooms 0112 to 0124 and rooms 0102 and 0185. A classroom for computer instruction is located in room 0186.

The center is equipped with an IBM 1620, 40 K, card and disk system devoted 100 percent to research and instruction and an IBM 1401, 8 K, 5 tape, 1 disk system that is used for instruction, administration reports, and some smaller research projects. An IBM 7044, 32 K word, 10 tape, 2 fixed disk system is available at the Carbondale Campus for the solution of larger problems. At noon of any day, the smaller problems are placed in the mail shuttle service, and the solution is returned the next day. The Carbondale center also has an MCR Docutran optical scanner for processing information directly from coded sheets.

An IBM 360–40, 192k, 4 tape, 16 disk (2–2314–A2) system will be installed on May 1, 1970, replacing the current systems on the Edwardsville Campus. An IBM 360–50, 512k, 4 tape, 16 disk (2–2314) system will be installed on March 1, 1970, replacing the IBM 7044 system at Carbondale. An IBM 360–65 system will replace the 360–50 in the fall, 1970, or spring, 1971, under current budget plans. This equipment may be used in the same manner as the IBM 7044.

The facilities are available for laboratory and demonstration purposes, for credit and non-credit instruction in all departments, for faculty and graduate university-sponsored research, for faculty and graduate externally sponsored research, for faculty and graduate independent research and for contract work after assignment of a project number.

There is no charge for the use of the center's facilities in connection with independent and university-sponsored research projects for faculty or graduate students which are not supported or are supported by funds that are limited to the regular state budget appropriations. The center charges for utilization in connection with an externally sponsored research project supported by contract with a government agency, a foundation, an industry, or business and covered by an itemized budget. Persons negotiating such contracts shall be expected to anticipate the need for center usage and to cover the cost of such services in the contracts.

An informal non-credit short course is offered each quarter for faculty and graduate students to introduce the FORTRAN computer language, the library of computer programs, and the open shop policy. For problem solutions not in the present library of programs on the computer, the faculty may program the problem or rely on the staff resources of the center. The graduate student should expect to utilize the staff resources only for brief consultation under the present open shop policy.

Fellowships and Assistantships

Graduate fellowships are available in all areas of graduate study upon application to the appropriate chairman, and are awarded by the Graduate School upon a basis of scholarship. Recipients are permitted to carry normal graduate schedules. The stipend for the academic year is normally $2250, plus remission of tuition but not other fees. There is no work requirement. Fellowships are ordinarily renewable for the summer quarter following the period of appointment. Students seeking a master's degree may hold a fellowship for no more than four quarters. Fellowships for the summer depend upon recommendation by the student's major department. All application materials including scores on the Graduate Record Examination Aptitude Test should be submitted before February 1 preceding the academic year for which the fellowship is desired. Inquiries may be addressed to the Dean of the Graduate School or to the major chairman.

Teaching, research, and other assistantships are available in a number of departments and research agencies. These positions pay a stipend which ranges from $250 per month, with the exact amount depending upon the assignment, experience, and academic achievement of the student. Remission of tuition is granted, but fees must be paid. Service of twenty hours per week, or corresponding load in teaching, is required. Assistants must carry no more than 12 hours and no less than 6 hours of credit per quarter. Students holding assistantships through the academic year will ordinarily be eligible for remission of tuition when enrolled for the following summer quarter whether or not they hold an assistantship for that quarter. Inquiries should be addressed to the appropriate chairman before February 1 preceding the academic year for which the assignment is sought. Completed applications must be in the Graduate Office by March 1.

Housing

Graduate students may use the listings of accepted facilities maintained in the Housing Office, or they may seek housing on their own. All arrangements for housing and all business transactions in the matter of housing are the sole responsibility of the student and the owner of the housing facility.

The University has at the present time 248 apartment units on the Edwardsville Campus, including 104 furnished two-bedroom co-op apartments, each designed for four single students, and 144 two- and three-bedroom furnished and unfurnished apartments for married students. The rent for an apartment ranges from $115 to $135 per month. Information about and application for the Tower Lake Apartments may be obtained in the Housing Office, Room 1113, General Office Building, or by writing the Housing Office, Southern Illinois University, Edwardsville, Illinois 62025.

Admission to the Graduate School

A student should obtain application forms from the Graduate School and submit application, together with transcripts and other supporting material, directly to the Graduate Admissions Office where it is evaluated for compliance with Graduate School admission requirements. Only if these are met and if the student seeks a degree is the application forwarded to the faculty in which the student indicates his desired major. *The admission requirements of the Graduate School and the faculty must both be met before the student is admitted either conditionally or unconditionally and both the Graduate School and the faculty may specify conditions.* Several faculties require additional materials such as test scores or letters of recommendation. The student is informed of his admission status after this process has been completed. Admission to the Graduate School is determined almost entirely by the caliber of the applicant's previous college work.

To permit sufficient time for applications for admission to be processed the following deadlines for receipt of applications and official transcripts have been set:

1. *The second Saturday in July for admission to the fall quarter.*
2. *The last Saturday in October for the winter quarter.*
3. *The last Saturday in January for the spring quarter.*
4. *The last Saturday in March for the summer quarter.*

Applications which are incomplete on the deadline date or are received later may be granted unclassified (non-degree) admission status for the quarter for which admission was originally sought. The application papers continue to be processed for admission to a degree program but only for the quarter following the one originally applied for. Work taken by a student who is unclassified because of late application counts toward a degree only when recommended by the faculty concerned and approved by the Graduate School.

A student who wishes to enter the Graduate School immediately after graduation may submit his application when he is within two quarters of a semester of graduation. He must also submit a transcript showing the work he has completed and the courses he is taking.

An undergraduate student who is within 16 quarter hours of a bachelor's degree may take courses for graduate credit by applying for admission to the Graduate School in the usual way. At the time of registration, he must also obtain the approval of the Dean of the Graduate School to take such courses for graduate credit. He remains an undergraduate student officially until he completes his baccalaureate requirements.

A student who is applying for an assistantship or a fellowship and who submits a transcript in support of that application must also submit an application for admission and transcripts directly to the Graduate School for admission processing.

Admission to Graduate Study for the Master's Degrees

An applicant must hold a bachelor's degree and have a grade-point average of 3.70 or higher ($A=5.00$) from an accredited institution in order to receive *unconditional admission* from the Graduate School for study at the master's degree level.

A student with a grade-point average of 3.40, but less than 3.70, may be granted *conditional admission* and will remain on conditional status until he earns 15 or more quarter hours of credit in graduate-level courses without obtaining more than one *C* grade and without obtaining any grade lower than *C* during the conditional period. *No credit of C or lower earned while on conditional status will be applied on a master's degree program.* In addition, the conditionally admitted student must satisfy the Graduate English requirement before completing more than 24 quarter hours. Failure to meet these conditions will result in a student's being dropped from the degree program. A department, faculty, or other degree-program unit may add its own conditions for admission regardless of the grade-point average.

A student with an undergraduate grade-point average below 3.40 may be admitted only as an unclassified student.

Admission to Graduate Study for the Specialist's Certificate

An applicant for admission to graduate study beyond a master's degree may be admitted either conditionally or unconditionally. Conditions may be prescribed by both the Graduate School and the faculty of the program in which an applicant wishes to pursue his course of study. A student should first submit his application, together with transcripts and other supporting materials, to the Graduate Admissions Office where it is evaluated for compliance with admission requirements of the Graduate School. If these are met, the Graduate School forwards the credentials to the academic unit offering the major he indicates on his application, for action on admission to its degree program.

Admission to the Sixth-Year Specialist's Certificate Program is based on an applicant's previous academic record, his educational experience, and his proposed goal. A master's degree from an accredited institution is regarded as the basic academic requirement for one wishing to pursue the sixth-year program. A graduate grade-point average of 4.25 or higher on a five-point grading scale is required.

The Dean of the Graduate School informs each student of any conditions imposed by the Graduate School or by the academic unit of his major. Among these conditions may be the successful completion of entrance examinations. All conditions must be fulfilled before the student can be admitted unconditionally.

The Education Division's Office of Student Services provides supplementary application forms to the specialist's programs offered in education and informs students of entrance requirements and details of the programs.

Admission to Graduate Study as an Unclassified Student

A student may apply for admission to the University as an unclassified (non-degree seeking) student when he does not seek a graduate degree or certificate, when he has applied too late for the term for which he seeks admission, or when he wishes to qualify for admission to a degree program because his scholastic record does not qualify him for conditional admission. A student who seeks admission as an unclassified graduate student must present evidence that he holds a bachelor's degree.

Qualifying work has been established in order that students whose undergraduate grade-point averages are below the minimum required for admission to a master's degree program (3.4 on an $A = 5.0$ scale) may prove themselves capable of better academic performance and thereby *qualify for consideration* for admission. Once a student has made formal application for admission to the Graduate School and has officially been informed that his grade-point average is below the minimum requirement, he may then apply for admission as an unclassified graduate student to pursue qualifying work.

A student whose average is between 3.2 and 3.399 may qualify for consideration by earning a 4.0 or better in not less than 12, nor more than 24, quarter hours of 300- or 400-level courses and by passing the Graduate English Examination. If he earns a 4.0 in the first 12 quarter hours, that is all he is required to take. If he does not earn a 4.0 in the first 12 quarter hours, he may continue until he has a total of 24 quarter hours, in an attempt to raise the grade-point average to 4.0.

A student whose average is between 3.0 and 3.199 may qualify for consideration by earning a 4.0 or better in 24 quarter hours of 300- or 400-level courses and by satisfactory completion of the Graduate English Examination.

No applicant with an undergraduate grade-point average below 3.40 may take more than 24 quarter hours in seeking to qualify for admission, and no more than one-half of the work should be taken in a single subject area. None of the credits earned for qualifying may be applied toward a graduate degree.

Successful completion of this work does *not* assure the student of admission, but only of consideration by the department of his choice. It is solely the department's decision to accept the student into their master's degree program. Therefore, it is strongly suggested that the student seek the advice of the graduate adviser in the department before and while he is doing qualifying work.

Admission of International Students

A student from abroad is subject to all requirements for admission established by the Graduate School. In addition, he must complete special forms pertaining to the admission of international students. For these admission forms and for other information concerning international students, inquiries should be sent to the Office of Graduate Admissions, Graduate School, Southern Illinois University, Edwardsville, Illinois 62025.

International students whose native tongue is not English are required

to demonstrate proficiency in the English language. A minimum score of 550 on the Test of English as a Foreign Language (TOEFL) is required for consideration for admission. Information on this test and on the dates and places of testing may be obtained from the Educational Testing Service, Box 899, Princeton, New Jersey.

To allow ample time for visa and other departure procedures, the applicant should have his application and all supporting documents on file with the University no less than four months prior to his proposed entry date.

An international student must be enrolled in a program leading to a graduate degree. He cannot be admitted as an unclassified student.

If the above requirements are satisfactorily met and the student is admitted to a degree program, he is required to certify to the University that he has adequate financial resources available to him to undertake and continue in a program of study.

Advisement

Each student admitted to the Graduate School is expected to consult a graduate adviser in the faculty of his major for assistance in planning his total program and in choosing courses each quarter. As soon as the student gains approval for a thesis topic and a thesis director, the latter is designated as chairman of the advisory committee. This committee advises the student in the preparation of the thesis, evaluates its quality when completed, and supervises the final examination, written or oral, when one is required.

Maximum course work for graduate students is 18 hours each quarter; 12 hours is considered a normal load. The maximum for teaching assistants, graduate interns, and research assistants, who are employed half-time, is 12 hours and the minimum is 6 hours; for persons who are employed full-time the maximum is 8 hours; for persons attending the eight-week summer session, the maximum is 12 hours. These maxima may be exceeded only with the written permission of the Dean of the Graduate School.

A graduate student is expected to plan his work carefully. Program changes after registration must be approved by the student's adviser and the Dean of the Graduate School. They may involve payment of a program change fee. Program change forms may be obtained from the Graduate Office.

The graduate student must assume responsibility for his progress by keeping an up-to-date record of the courses he has taken and by consulting periodically with his adviser. Responsibility for errors in program or in interpretation of regulations of the Graduate School and the University rests entirely upon the student. Advice is always available on request.

Graduate Advisers

Following is the list of advisers to graduate students pursuing graduate degree programs at Edwardsville.

Anthropology *—Fred W. Voget
Art—Don F. Davis
Behavioral Science—Paul J. Campisi
Biological Sciences—Ralph W. Axtell
Business Administration—I. A. Hardy
Business Education—
Mary Margaret Brady,
Robert A. Schulteis

* Course work only offered at this time.

Chemistry—William J. Probst
Counselor Education—
John J. McBride
Economics—Howard S. Dye
Educational Administration and
Supervision—Stefan Krchniak
Elementary Education—
Arthur E. Jordan
Engineering *—Julius Brown
English—William C. Slattery
Foreign Languages—
Alfred G. Pellegrino
Geography—Melvin E. Kazeck
Government—Daniel S. McHargue
Health Education *—Zadia Herrold
History—Samuel C. Pearson
Instructional Materials *—
Eldon Madison
Mathematics—Robert N. Pendergrass
Music—Edwin B. Warren
Philosophy—Ronald Glossop
Physical Education *—
Zadia C. Herrold
Physics—Lionel K. Walford
Psychology—Faculty Chairman
Secondary Education—
Gordon C. Bliss
Sociology—Robert B. Campbell
Special Education—
William R. Whiteside
Speech—Hollis L. White
Speech Pathology and Audiology—
Keith R. St. Onge
Theater—Lynn F. Kluth

* Course work only offered at this time.

Tuition and Fees

The tuition and fees charged students are established by the Board of Trustees and are subject to change whenever conditions make changes necessary. At the present time, fees per quarter for graduate students are as follows:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	$22.00	$45.00	$67.00
Tuition Fee—Out of State	(69.00)	(137.00)	(206.00)
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
Total—Illinois Resident	$38.50	$73.50	$107.50
Total—Out of State Resident	(85.50)	(165.50)	(246.50)

The student activity fee includes the fees for limited hospitalization, entertainment, partial athletics, the student newspaper and yearbook, and such other privileges as may be provided.

Graduate assistants and fellows do not pay tuition and have an option on paying the student activity fee. They pay other fees.

In addition to the above fees, a student is subject to certain other charges under the conditions listed below:

1. A matriculation fee of $5, which is assessed a graduate student the first time he registers if he is not a graduate of Southern Illinois University.
2. A late registration fee of $5 when a student registers after the regular registration period has ended.
3. A $2 program-change charge whenever a student changes his program from the one for which he originally registered, unless the change is made for the convenience of the University.
4. A graduation fee of $17.
5. Other charges for field trips, library fines, and excess breakage. A student taking a course involving use of materials, distinct from equipment, ordinarily pays for such materials.

Student Work and Financial Assistance

Programs offered by the Office of Student Work and Financial Assistance include part-time work on and off campus, cooperative work-study and summer employment, various forms of Federal and State financial assistance (work-study, loans, grants, scholarships), and private agency scholarship and loan funds. Information may be obtained at the Student Work and Financial Assistance Office, General Office Building, Room 0124.

University Placement Services

The University Placement Services assists students seeking employment after completion of their education. Its facilities and services are free to students and alumni, who are urged to register or up-date their papers during the fall quarter of each academic year. Inquiries should be made to the Director of the University Placement Services.

Health Services

The University maintains a health center which covers all types of medical services with a full-time physician on duty. An emergency vehicle is available twenty-four hours a day, seven days a week.

Graduate Degrees Offered

Graduate degrees are available in the following fields:

MASTER OF ARTS
Behavioral Science
Biological Sciences
Economics
English
Geographical Studies
Government
History
Mathematical Studies
Philosophy
Psychology
Sociology
Speech
Speech Pathology and Audiology
Theater

MASTER OF BUSINESS ADMINISTRATION
Business Administration

MASTER OF FINE ARTS
Art

MASTER OF MUSIC
Music Education

MASTER OF SCIENCE
Behavioral Science
Biological Sciences
Chemistry
Economics
Geographical Studies
Government
Mathematical Studies
Physics
Psychology
Sociology
Speech
Speech Pathology and Audiology
Theater

MASTER OF SCIENCE IN EDUCATION
Business Education
Counselor Education
Educational Administration and Supervision
Elementary Education
Secondary Education
- Art Education
- Biological Sciences
- Chemistry
- English
- Foreign Languages
- Geography
- Government
- History
- Mathematics
- Physics
- Speech

Special Education

Grading System

Grades are recorded by the letters *A, B, C, D,* and *E* (*A*=5.00). Other grades may be:

W—Authorized withdrawal made through a program change where no basis for evaluation has been established. Work may not be completed. This grade is not included in grade-point computation for retention purposes.

WP—Authorized withdrawal made after first four weeks through a program change with a passing grade. Work may not be completed.

WE—Authorized withdrawal made through a program change after the first four weeks with failing grade. Work may not be completed, but grade is included in calculation of average.

INC—Incomplete. Has permission of instructor to be completed within a time period designated by instructor, but not to exceed one year from the close of quarter in which course was taken. If INC remains, it is not included in grade-point computation. To complete the work, a student should not register for the course again but should complete the work from the original registration.

DEF—Deferred. Used only for graduate courses of an individual, continuing nature such as thesis or research. When the work is completed, grade is changed to a letter grade.

ABS—Unauthorized withdrawal. Used when student fails to continue in attendance, but does not withdraw through a program change. Counted as an *E* in calculating grade-point average.

S—Satisfactory. Used only for noncredit courses.

U—Unsatisfactory. Used only for noncredit courses.

AU—Audit. A student registering for a course on an *audit* basis receives no letter grade and no credit hours. An auditor's registration card must be marked accordingly, and he pays the same fees as though he were registering for credit. A student registering for a course for *audit* may change to a credit status or vice versa through the official program change method during the first four weeks of a quarter. Thereafter the change may not be made.

Note: Letter grades *A, B, C, D,* and *E* as well as the grades *WE* and *ABS* are included in grade-point averages for academic retention. Authorized withdrawals made through a program change during the first four weeks of the term do not carry a grade. No credit is allowed toward a graduate degree for courses in which a grade below *C* is earned.

Master's Degrees

GENERAL REQUIREMENTS

Forty-eight hours of acceptable graduate credit are required for a master's degree, except for the Master of Fine Arts degree program where 60 hours are necessary. At least 24 hours must be earned in courses numbered 500 or above. No more than 16 hours earned for work done at another university, or in extension, or both together, may be counted toward the degree. An evaluation of transfer credit is made in every case and may result in a reduction of the credit offered. Only in unusual circumstances is transfer credit given for work bearing a grade below *B*. No credit toward the degree may be earned by correspondence.

Only credit earned within a six-year period preceding the completion of requirements for the degree, whether at Southern Illinois University or elsewhere, is counted toward the degree.

Ordinarily a graduate student is expected to select both a major and a minor field, but he may be permitted by his advisory committee and the Dean of the Graduate School to concentrate his efforts in one particular area of study. The graduate major, in most fields, consists of a minimum of 30 hours of credit in the chosen area of study; some fields, however, require as many as 40 hours for the major, in which case no minor is required. The graduate minor consists of a minimum of 15 hours. A student may have a double major recorded upon completing the necessary number (60 hours) of designated courses.

Each candidate for a master's degree shall write a thesis except where a graduate program has been approved by the Graduate Council to provide for some other arrangement. The thesis may be counted for not more than 9 nor less than 5 quarter hours of credit. The subject of the thesis is to be reported to the Graduate School by the student and is to be approved by the chairman of the advisory committee and the Dean of the Graduate School at least two quarters before the date of graduation. Two copies of the approved thesis (the original and first carbon) must be presented to the Graduate School at least three weeks prior to the date of graduation, to be bound and shelved in the library. For nonthesis programs, a research paper should show evidence of the student's knowledge of research techniques and should be based on a special project or specific courses as may be recommended by the advisory committee.

Each candidate for a master's degree is required to pass a comprehensive examination covering all of his graduate work, including the thesis. This examination may be written or oral, or both, as determined by the student's advisory committee.

Students having an undergraduate grade-point average below 3.70 must satisfy the graduate English requirement by passing the Graduate English Examination. The examination is offered once each quarter and should be taken the first quarter the student enrolls. The English requirement must be satisfied before the student has completed 24 quarter hours except the qualifying student who must pass it before being admitted to a degree program.

Candidates are expected to meet requirements in force during the year of graduation, but due consideration is given the fact that a student may have been admitted and may have planned his work when other requirements were current. Important changes in requirements are put into effect gradually. It is especially important that the following data should be kept up to date on the student's record in the graduate office: his up-to-date address, the major and minor, the degree for which the student is a candidate, the name of the chairman of the advisory committee, and the name of the thesis adviser.

RETENTION

Whenever a student's grade-point average falls below 4.0, his standing is in jeopardy. When a student has accumulated 24 quarter hours of work after admission to a degree program, and has 8 or more quarter hours of *C* or *below* in 400- or 500-level courses, *not balanced* by *A* in 400- or 500-level courses, he will be dropped from the Graduate School and is not again admissible to a degree program.

DEADLINES

The following deadlines are stated for the guidance of the candidate for the master's degree:

1. The Graduate English Examination is to be taken by a conditionally admitted student during the first quarter in which he is enrolled in a course given for residence credit.
2. Any foreign language requirement is to be met at least three months prior to graduation.
3. The thesis subject is to be approved by the chairman of the advisory committee at least twenty weeks before the date of graduation and is then to be reported by the student to the Graduate School.
4. The completed thesis accepted by the advisory committee should be presented to the Dean of the Graduate School at least five weeks before graduation.
5. The preliminary checkup and application for graduation are to be made with the Graduate School and the Registrar's Office at least five weeks prior to the graduation date. Application for graduation forms, which may be secured from the Registrar's Office, should be completed and returned to that office after payment of the graduation fee at the Bursar's Office.

MASTER OF ARTS DEGREE

A reading knowledge of a foreign language is required in all cases for the Master of Arts degree. The foreign language requirement is to be fulfilled at least three months prior to graduation. Information regarding the testing programs by which the requirement can be met may be secured in the Graduate Office.

MASTER OF BUSINESS ADMINISTRATION DEGREE

The Master of Business Administration degree program requires a maximum of 84 quarter hours of course work. Students who have had previous work in any of the required areas can receive waivers of up to 36 hours. As a terminal requirement, each student must successfully complete the integrative course, Business Administration 549.

MASTER OF FINE ARTS DEGREE

Sixty hours of acceptable graduate credit are required for the Master of Fine Arts degree, of which a minimum of 30 hours must be on the 500 level. A thesis is required, and for candidates in the studio area a presentation of a thesis exhibition.

MASTER OF MUSIC DEGREE

Forty-eight hours of acceptable graduate credit are required for the Master of Music degree candidate with a concentration in music education. A minimum of 24 hours must be on the 500 level. A thesis or a recital and research document are required.

MASTER OF SCIENCE DEGREE

Forty-eight hours of acceptable graduate credit are required for the Master of Science degree, of which a minimum of 24 hours must be on the 500 level. A thesis is required in most programs leading to this degree. There is no foreign language requirement for this degree.

MASTER OF SCIENCE IN EDUCATION DEGREE

Forty-eight hours of credit are required for the Master of Science in Education degree. The student should seek counsel regarding the completion of these requirements before his first enrollment for graduate work. There is no foreign language requirement for this degree.

Sixth-Year Specialist's Certificate General Requirements

The Sixth-Year Specialist's Certificate Program is for a qualified student with a master's degree or its equivalent who wishes to pursue a planned sixth-year program leading to specialization in an educational field. Certain sixth-year courses of study developed and offered in professional education areas have been approved by the Graduate Council with the following minimum requirements.

Students seeking admission to the Sixth-Year Specialist's Certificate Program follow the same procedures that apply to admission to other graduate programs. Admission requires a grade-point average of 4.25 or higher for graduate work. Faculties or divisions may establish a higher scholarship requirement for admission and may use whatever selective criteria are appropriate to the field of specialization. The student's previous work should have provided a proper base of general and special preparation for the sixth-year studies; if this is lacking, additional work must be taken to establish the base. Two years of experience relevant to the specialized field are required.

An advisory committee of three members for each candidate is appointed by the Dean of the Graduate School upon the recommendation of the chairman or dean of the respective faculty or division.

A minimum of 45 quarter hours of work beyond the master's degree or its equivalent is required. This work must be planned early by the student and his advisory committee, must clearly move the student toward the specialization he seeks, and must conform to a Sixth-Year Specialist's Certificate Program approved by the Graduate Council. A minimum grade-point average of 4.25 for all work in the Sixth-Year Specialist's Certificate Program is required. A maximum of 20 hours at the 400 level may be taken, of which not more than 12 may be in the Education Division. A combined maximum of 9 quarter hours of graduate credit earned in extension and in other graduate schools may be counted. All such work must be approved by the student's advisory committee and must carry a grade of *B* or better. No credit earned through correspondence or used in attaining another degree or certificate may be counted.

Credit earned before September, 1966, while a student was on unclassified status does not count in his program unless approved by his advisory committee. After September, 1966, no credit earned while the student was on unclassified status counts except credit earned while the application for admission was being processed, and then only with the recommendation of the advisory committee. All credit must have been earned within seven years prior to the completion of the program.

Full-time, full-load residence of one quarter (or two summer sessions of at least eight weeks each) is required. Students who are employed full time may not carry more than one course per quarter.

With the prior approval of the student's advisory committee, credit toward this certificate may be earned at both campuses in programs approved by the Graduate Council on both campuses.

2 / Instructional Units

THE MASTER OF ARTS and the Master of Science degrees, with work in behavioral science, biological sciences, chemistry, economics, English, geography, government, history, mathematics, philosophy, physics, psychology, sociology, speech, speech pathology and audiology, and theater are offered on the Edwardsville Campus. The Master of Business Administration degree, the Master of Fine Arts degree, the Master of Music degree, and the Master of Science in Education degree, the latter with programs in business education, counselor education, educational administration and supervision, elementary education, special education, and approved areas of secondary education may also be completed on the Edwardsville Campus. The Sixth-Year Specialist's Certificate is offered in counselor education, educational administration and supervision, and many areas of secondary education.

Art

Graduate programs in art lead to the Master of Fine Arts or Master of Science in Education degree. In addition to the general rules, regulations, and requirements of the Graduate School, the following specific requirements pertain to these degrees. The faculty should be consulted for complete details.

Master of Fine Arts Degree

The Master of Fine Arts degree is a professional degree intended to further the individual artistic development of each degree candidate, and is designed to provide him with professional competencies in one or more of the creative arts of sculpture, painting, printmaking, and ceramics, or in the specialized areas of art education.

Prerequisites. 9 hours of art history; 50 hours of studio courses; 12 hours of art education (for art education option only).

Approval by the graduate faculty of a portfolio of work in the areas of intended specialization. (This material should be submitted only when requested and may be either originals or good photographs.)

Specializations. A candidate for the Master of Fine Arts degree has the option of specializing in one of the four major studio areas of sculpture, painting, printmaking, or ceramics, or may combine a reduced studio emphasis with specialization in art education. The candidate must accumulate a minimum of 60 quarter hours of graduate credit, 30 hours of which must be at the 500 level. He must satisfy the following course requirements:

1. Studio majors only: A minimum of 20 hours in one major area and a minimum of 32 hours in studio courses.
2. Art education option only: A minimum of 12 hours in one studio area and a minimum of 24 hours of studio courses.

3. Art education option only: A minimum of 16 hours of art education.
4. All candidates: A minimum of 12 hours of graduate art history; a minimum of 3 hours of graduate drawing; a minimum of 5 hours of Thesis 599.

Thesis. The candidate specializing in a studio area presents a thesis involving his major field. The thesis consists of a final studio project(s) accompanied by written and photographic records and explanations, in proper thesis form, and the presentation of a thesis exhibition of the candidate's works designed and hung by the candidate. For the art education specialization, the candidate presents a thesis which may be experimental, historical, or descriptive, but includes evidence of academic knowledge of the general area which he is investigating.

Examinations. Examinations for the Master of Fine Arts degree consist of both written and oral examinations and include a defense of the thesis. These examinations are scheduled and supervised by the candidate's major professor and where possible, the examining committee for oral examinations is comprised of the student's graduate committee. The candidate is given reasonable and proper notice of the dates of both written and oral examinations.

Master of Science in Education Degree (Concentration in Art)

This degree is given in cooperation with secondary education. The Faculty of Art and Design administers and provides the work in art education and studio areas. Applicants for this program should have an undergraduate degree in art or art education, and may be required to take additional undergraduate courses if needed as preparation for graduate offerings.

The requirements for this degree total a minimum of 48 quarter hours. These hours are distributed as follows: 16 hours in education and 16–32 hours in art education, art history, and studio. A research paper is required, and the candidate must participate in a final oral examination.

Behavioral Science

The program leading to the Master of Arts and the Master of Science degrees in behavioral science is offered by the combined Faculties of Anthropology, Psychology, and Sociology. A coordinating committee consisting of representatives of the respective departments has the responsibility for coordinating the program.

The program in behavioral science consists of 48 hours of course work in anthropology, psychology, and sociology excluding thesis credit. A core curriculum aimed at giving students a broad understanding of the three disciplines involved consists of the following courses:

1. Pro-Seminar in Cultural Anthropology	8 hours
2. Pro-Seminar in Psychology	8 hours
3. Seminar in Sociological Theory	4 hours
4. Seminar in Social Psychology	4 hours

Exceptions to the core courses may be approved by a student's advisement committee (described below). The important aspect of this program is that it gives the student a broad appreciation of the three disciplines and indicates their interrelatedness. The core, other graduate level courses and individual research are meant to be flexible to meet individual student needs. It should be noted parenthetically that the program does not in

clude equivalent courses which other programs now offer for certification for teachers, counselors, or psychologists. The committee, in consultation with the student, determines the final program.

Students are routinely expected to meet all course prerequisites. For example, in the case of the Pro-Seminar in General Psychology, these include a previous course in introductory psychology, statistics, and experimental psychology.

Admission. To enroll in this program a student must satisfy the admission requirements of the Graduate School for unconditional admission and must have been approved by the Graduate Dean and the chairmen of the Anthropology, Psychology, and Sociology Faculties respectively upon the recommendation of the interdisciplinary coordination committee responsible for the administration of the behavioral sciences program. Students who show high promise but who do not meet the above admissions requirements are considered for conditional admission by the committee.

Examination. A student must demonstrate general knowledge of the three subject areas by satisfactory performance on a comprehensive written examination. The examination is taken only after completion of the 24-hour core program.

Thesis. He must complete a thesis, or in exceptional cases with the approval of the coordinating committee, present an acceptable research paper demonstrating basic research competence.

Interested students may write to or consult with the chairman of the Anthropology, Psychology, or Sociology Faculties for more detailed information.

Biological Sciences

Graduate work in the biological sciences may be taken as a major or a minor toward the Master of Arts, Master of Science, and Master of Science in Education degrees.

Areas of specialization possible within the biological sciences include anatomy, autecology, biochemistry, biogeography, cellular biology, comparative morphology, developmental biology, ecology, electron microscopy, endocrinology, herpetology, ichthyology, invertebrate histology, mammalogy, micro-anatomy, microbiology, parasitology, plant anatomy and morphology, plant physiology, and systematics of plants and animals.

A student with a baccalaureate degree who satisfies the general admission requirements may apply for admission to the biological sciences program. The entering graduate student should have completed basic background preparation in the biological sciences, plus organic chemistry, one year of physics, and one year of college mathematics. Deficiencies in undergraduate preparation may be removed concurrently with graduate work. The results of the Graduate Record Examination (GRE), including the advanced test in biology, must be submitted before or during the first quarter of graduate work. Students eligible for conditional admission to the Graduate School must have a GRE score of 950 or higher (combined quantitative and verbal) to be admitted to the M.A. or M.S. programs.

Master of Arts and Master of Science Degrees

Completion of work for the Master of Arts and Master of Science degrees requires at least 32 hours in biology including: an acceptable thesis, continuous attendance in Biology 590, and four courses in biology from

numbers 400–489, 502–589. Election of a minor is optional. The Master of Arts degree requires a reading knowledge of a foreign language. The Master of Science degree requires demonstrated competence in statistics, computer programing, a combination of the two, or a foreign language, whichever is deemed appropriate for the student's program. Both the Master of Arts and Master of Science degree programs are appropriate for students preparing to teach biology in junior college.

Master of Science in Education Degree (Concentration in Biology)

Students who satisfy the requirements for admission to the Graduate School and who have been approved for work in secondary education by the Education Division may qualify for a teaching specialization in the biological sciences. Entrance into the program requires an undergraduate preparation of at least 20 junior-senior hours in the biological sciences, one year of college chemistry, and one course in physics or a suitable equivalent. This preparation should have included work in both botany and zoology, a course in genetics, physiology, and at least one field course. Any deficiencies involving the above requirements may be completed concurrently with work toward the degree. In addition to the requirements of the Education Division, the student matriculating for this degree must earn at least 16 hours and may earn as many as 32 hours of graduate credit in the biological sciences. Completion of the Master of Science in Education degree requires at least one quarter of Biology 504 (Instructional Innovation), and one quarter of Biology 590 (Graduate Seminar).

Business Administration

The Master of Business Administration degree program provides an educational foundation upon which executive careers may be built. The program has been developed with the management "generalist" in mind. The "generalist" approach is founded upon the educational philosophy and business experience that the graduate school can best serve the student's professional interests if it develops his awareness, understanding, and competence to deal with the problems of general line management. Through graduate business study, qualified college or university graduates become knowledgeable in the disciplines underlying business operations and view business organizations as total integrated systems. Attention is directed towards the human environment in the business firm and the economic, political, social, and international forces shaping the firm's external environment.

This program is especially designed to accommodate the mature student who is fully employed in a business situation. Course offerings are scheduled during the twelve months so that a student may elect to take one or two courses a quarter. It is expected that each course will be offered at least one time during the year and that it will be scheduled in the evening hours.

The Master of Business Administration degree program requires a maximum of 84 hours of graduate level courses of which nine courses (36 hours) are classified as "first-year" work and twelve courses (48 quarter hours) are classified as "second-year" work. Students who have had previous work with acceptable grades in the required areas may receive waivers of up to 36 hours, not more than 4 of which may be for "second-year" work. As a terminal requirement, each student must successfully com

lete an integrative course, Business Administration 549 (Corporate Pol-cy Formulation and Administration). This course should ordinarily be cheduled during the final quarter of the student's program.

A Master of Business Administration degree policy committee super-ises admissions to this program. The admission requirements of the Grad-uate School are to be met, and all applicants to the program must take the Admission Test for Graduate Study in Business. In making admissions ecisions, the policy committee is guided by the AACBS accreditation tandards. All applications are screened for evidence that indicates the pplicant shows high promise of success in the program.

The policies of the Graduate School serve as minimum retention stand-rds. In addition, any student who falls below a cumulative *B* average will e placed on probation and given one quarter to remove the probation. f the probation is not removed, the student will be dropped from the Master of Business Administration degree program unless there are exten-uating circumstances to justify an extension of probationary status.

Business Education

Graduate courses in business teacher education are taken as a major in he Faculty of Business Education leading to the Master of Science in Education degree. This program consists of a minimum of 48 quarter ours of course work distributed as follows: 24–32 quarter hours in busi-ess education and other Business Division courses; 8–16 quarter hours n Education Division courses; and 0–16 quarter hours of electives.

The graduate program is planned for those students who have an ade-uate subject matter and professional education background with teaching ualifications in at least one of the following business teaching areas: ookkeeping and accounting, data processing, basic business, consumer conomics, distributive education, and secretarial and clerical.

Deficiencies in background must be eliminated by taking appropriate ourses before the completion of 24 hours on the master's degree program. hose students who do not meet state certification requirements at the eginning of their program must do so in order to qualify for the degree.

The graduate program is aimed at upgrading and making more pro-cient those individuals who have already met or surpassed the minimum equirements for teaching business subjects in the high school of Illinois. he dual purpose of the program is to provide advanced professional ed-cation in business teaching fields and to develop competence in utilizing search findings in the field. In keeping with the general requirements the Graduate School, each student is required to write a research paper. hose who have special interest and ability in research or who expect to o on to advanced graduate study are encouraged to write a thesis.

Specific requirements for the degree in addition to the general require-ents of the Graduate School include:

1. Indication of proficiency in the subject matter and professional ed-cation areas as shown on a written examination taken during the last uarter of the graduate program or upon completion of all course work.
2. Indication of ability to explain and defend thesis as demonstrated n final oral examination. In the case of failure to pass either of these aminations, either one may be repeated, with committee approval, with-a two-year period after additional preparation through course work, dividual study, or revision of thesis.

3. Required courses in Business Education:
   Business Education 500—Principles and Problems of Business Education.
   Business Education 502—Research in Business Education.
   Business Education 503—Tests and Measurements in Business Education.
4. Required core in professional education:
   Measurement and Statistics—Met by Business Education 503.
   Research—Met by Business Education 502.

One course from each of two of the following areas:

a. Curriculum:
   Education Administration 560—Curriculum.
   Secondary Education 562—Workshop in High School Curriculum
b. Developmental Psychology and Learning:
   Counselor Education 511—Educational Implications of Learnin Theories.
   Counselor Education 515—Psychological Aspects of Education.
   Counselor Education 562b—Human Development in Educatio (Adolescence).
c. Social Foundations:
   Education Administration 431—History of Education in th United States.
   Education Administration 502—Seminar in Comparative Edu cation.
   Education Administration 554—Contrasting Philosophies of Ed ucation.

5. A minimum of 5 hours and a maximum of 9 hours' credit in Busines Education 599 (Thesis) is allowed for those students who choose to wri a thesis.

The graduate committee consists of three members with the chairma from the Faculty of Business Education.

Chemistry

Graduate courses are offered which lead to the Master of Science degr in chemistry or provide the cognate field concentration for the Master Science in Education program in secondary education. A special progra leading to the Master of Science degree may be arranged for studen who plan to teach in junior colleges. Through arrangements with Argon National Laboratory, research applicable to the thesis, in areas not ava able on the campus, may be done at Argonne.

Students interested in any of these programs should consult the cha man of the Faculty of Chemistry for specific information. Following is listing of the primary requirements which must be fulfilled in additi to the general requirements specified by the Graduate School:

Master of Science Degree

1. Earned credit in Chemistry 490, 511a, 531, 541, 561 or 562, 575.
2. Research and Thesis, Chemistry 597, 5 to 9 hours.
3. Attendance at seminar (Chemistry 575).
4. A reading knowledge of a foreign language approved by the studer advisory committee.
5. A final oral examination on the thesis.

6. If a secondary concentration in a field other than chemistry is lected, a minimum of 30 hours of credit must be earned in chemistry.

Master of Science in Education Degree (Concentration in Chemistry)

1. From 16 to 32 hours of graduate credit in chemistry, and a total of t least 64 undergraduate and graduate hours in chemistry.
2. Program of study approved by the graduate committee of the Fac- lty of Chemistry.
3. A research paper on a topic approved by the graduate committee.
4. Satisfactory performance on an oral examination over the research aper and appropriate course material.

Economics

he Faculty of Economics offers graduate work leading to either the Master of Arts or the Master of Science degree. The Master of Arts degree rogram emphasizes the role of economics as a social science, and blends ith other social sciences. Flexibility is adequate to permit a variety of ourse programs to suit student needs. The Master of Science degree pro- ram, on the other hand, provides a more specialized training, stressing usiness decision-making and the application of quantitative techniques sed in solving business problems.

Primary and secondary concentration programs are available in eco- omic theory and its history, economic history, economic development, nternational economics, labor economics, monetary economics, public nance, and quantitative economics. Opportunity is provided also for stu- ents to participate in seminars and lectures given by distinguished vis- ors to the campus.

Master's degree candidates have access to the Univerity's Data Proc- ssing Center, and to the Business Division's Calculating Center which ncludes a remote computer or terminal.

Admission: An applicant for admission to the graduate program is ex- ected to have a major or minor in economics from an accredited institu- on, at least one year of college mathematics, and undergraduate work in atistics. Applicants for the Master of Science degree should, in addition, ave taken calculus and some finite mathematics. Applications will be dged on the basis of undergraduate scholastic records, degree of matur- y, and the relative scores on either the Graduate Record Examination the Advanced Test for Graduate Study in Business. Such examination cores should accompany all applications. Students with limited de- iencies may be admitted with the understanding that such deficiencies e removed as soon as possible.

Master of Arts and Master of Science Degrees

andidates for both the Master of Arts degree and the Master of ience degree must satisfy three common requirements: (1) they must ccessfully complete 48 hours of graduate work, including at least 32 urs of graduate work in economics; (2) while no specific courses are quired, all candidates must pass comprehensive written and oral ex- inations demonstrating perspective and broad competence in certain re subjects blending economic theory, decision-making in the public and ivate sector, and quantitative techniques; and (3) they must demon-

strate competence in some specialized area of economics, including the ability to identify and to analyze critically a research topic in this area, and to complete a satisfactory thesis or its equivalent. An oral examination covering the thesis and related material is part of this requirement.

The two master's degree programs differ in certain particulars. For the Master of Arts degree, students must display a reading knowledge of one foreign language by passing an examination. A secondary concentration comprising 16 hours of graduate work may be elected but is not required. This concentration may be chosen from a broad array of subject areas approved by the faculty. Candidates for the Master of Science degree must complete a secondary concentration consisting of at least 16 hours of graduate work approved by their advisory committee and chosen from mathematics, statistics, quantitative methods, and management science.

Students electing a secondary concentration in economics must complete a minimum of 16 hours of graduate work to be arranged in consultation with an adviser from the Faculty of Economics.

Education

The general objective of the Education Division is to contribute to the State of Illinois' general effort to expand and improve all levels of educational opportunity available to residents of the area surrounding the campus. The Division, therefore, steadily addresses itself to the changing educational dimension of the overall development problems of the immediate service area and the State. The region's educational needs thus shape the Division's programs of instruction, research activities, and field services.

Admission

Application for admission to an Education Division graduate program is made at the same time as application for admission to the Graduate School.

Application forms for the Education Division's graduate programs are obtained from the Education Division together with the entrance requirements for the various programs. These materials may be secured from the Education Division's Office of Student Services, Room 2228, General Office Building, where students may also get assistance in deciding which program might be most suitable.

Advisement

After favorable action on the application to the Education Division, the chairman of the faculty which offers the specialization chosen by the student refers the student to a faculty adviser. The faculty member, selected from a roster of advisers approved by the Graduate School, may be named in consultation with the student.

The adviser formally endorses the student's program, makes modifications when initial studies suggest changes, assists in assessing a student's academic and professional strengths and weaknesses, and offers career counseling. The adviser also guides the student when making choices of program emphasis and selecting course sequence and electives.

When a program shows substantial course work in a faculty outside of the Education Division, a second adviser is appointed. In such a case the education adviser directs the student to the chairman of the cooperating academic unit who assigns the second adviser to the student. This advis

designs the studies in his field. All secondary education programs, which feature a concentration of work in a teaching field, involve two advisers.

Accreditation

The Master of Science in Education degree programs have been fully accredited by the National Council for Accreditation of Teacher Education and by the North Central Association of Colleges and Secondary Schools which has also accredited the specialist's certificate programs.

Research and Instructional Facilities

The Education Division maintains the following facilities which offer research and instructional resources to both the campus and the University's service area.

Instructional Resources Development Center. The Center has facilities and professional staff which contribute to the development of instructional materials. Graduate students in education and media specialists utilize the Center. Innovative instructional systems are encouraged, and facilities of the Center are available for the systematic evaluation of these innovations.

Practicum Facilities. The school maintains facilities that are devoted to the practical experience of the student. Video-tape equipment located in areas with one-way viewing rooms allows students to practice skills in a natural setting. These experiences are then available for re-evaluation by the student and the instructor. Facilities with sophisticated instrumentation are available for individual testing, small group work, and larger gatherings.

Psychology Laboratories. Two psychology laboratories with modern up-to-date equipment provide a setting for the development of experimental programs. These laboratories, along with calculator facilities for training and research, and the University computer facilities provide on-campus experience in the instructional and research program. Students in graduate programs are encouraged to become familiar with and use these facilities, which make a direct contribution to all of the graduate programs in the Education Division.

The Reading Center. The Reading Center is a well-equipped laboratory of diagnostic and instructional materials and equipment that is used in diagnosing and correcting reading deficiencies. Graduate students enrolled in the sequence of reading courses get practical experience in the Center working with disabled readers who are transported to campus from the surrounding elementary and secondary schools. The Reading Center also serves the public and parochial schools of the area by providing a facility where current materials can be studied and evaluated.

General Requirements

Each student's program is designed to meet the general requirements of the Division and those of the specialization while also taking into account the student's professional experience, interests, academic needs, and strengths. While the minimum for all programs is 48 hours, it is usual for a student's program to show several courses beyond the minimum.

While it is permissible to count 400-level courses toward the degree, at least 24 hours of course work at the 500-level will be included in approved programs. It is also necessary to maintain a grade-point average of 4.00 on a 5.00 scale.

Typically, students upon entering graduate studies hold a State of Illinois teaching certificate. Students without such credentials will need to meet the state certification requirements appropriate to their career objectives, since the holding of a teaching certificate is one of the conditions of graduation for those who expect to be employed in elementary or secondary schools. Provision is made for students to be admitted to graduate programs and also to pursue a teaching certificate. An education adviser in Room 2228 of the General Office Building, familiar with state certification requirements in various fields, authorizes programs leading to certification. This teaching certificate requirement is not applicable to the counselor education program for students preparing for positions in business personnel offices or pastoral counseling.

Master of Science in Education Degree

Programs of study in education leading to the Master of Science in Education degree are offered by the Education Division with specializations in the following areas: counselor education, educational administration and supervision, elementary education, secondary education, and special education.

Provision is made in the secondary education specialization of the Master of Science in Education degree, through cooperation with other faculties, for a concentration in any one of the following teaching fields: art education, biological sciences, chemistry, English, foreign languages, geography, government, history, mathematics, physics, and speech.

Each program is composed of three categories of study: (1) the general professional area, (2) the specialized-professional studies, and (3) the cognate field. The course work taken in the first two categories constitutes the education concentration and accounts for 30 hours with the exception of the secondary education specialization where the total is 16 to 32 hours.

1. The general-professional core. Sixteen hours in the general-professional courses are a part of all programs. These hours are distributed over four of the five areas noted below. All students enroll for *a,* the education research course, and one course in *b,* measurement and statistics. Two additional courses are chosen from *c, d,* and *e* in such manner as to insure course work in two of the three areas rather than two courses in one area.

a. Research: Educational Administration 500.

b. Measurement and Statistics: Counselor Education 420, 422, 52 or 522.

c. Curriculum: Educational Administration 560, Elementary Educatio 561, Secondary Education 550, 562, or Counselor Education 542.

d. Developmental Psychology and Learning: Counselor Education 51 515, 525, 562a, 562b; Special Education 414; or Psychology 407.

e. Social Foundations: Educational Administration 431, 502 or 554.

2. The Specialized-Professional Area. Each program includes a block studies in one of the following specializations: counselor education, educational administration and supervision, elementary education, seconda education, or special education. The student completes at least 14 hou in this block with the exception of secondary education where the ran is 8 to 16 hours.

3. The Cognate Area. Each student acquires a concentration of at lea 15 hours in one non-education field or earns 12 to 18 hours in electi courses related to his teaching field or fields. The preceding stateme shall be interpreted as permitting an adviser to substitute needed edu

ion courses for some of the teaching field requirements in cases where a student is strong in the latter but deficient in education foundations.

Each student in consultation with an adviser completes his master's degree level studies by submitting an approved research paper and passing an oral examination conducted by three professors.

Urban Education. Teachers and prospective teachers who wish to prepare specifically to teach in urban schools may enroll for special work in urban education. This includes a practicum in inner city teaching. Course work in urban education comprises a component of any one of the regular Master of Science in Education degree programs. Students desiring information about these courses should consult with their advisers or with the faculty members teaching the courses.

COUNSELOR EDUCATION

The purpose of the counselor education program is to develop skills and techniques as they relate to the counselor's role. An understanding of human behavior, the helping relationship, counseling skills, and technical competencies are stressed.

Prescribed course sequences and integration of content material are considered essential in program planning. The student's progress is reviewed after completion of the first 24 quarter hours; therefore the following courses must be taken during that period: Counselor Education 420, 422, 542, 412 (Psychology 432 may replace Counselor Education 412). The remainder of the program must include the following in approximately this sequence: 562a or b, 537, 522, 545j and 541. During the first half of the program, an orientation to research techniques is considered essential. The student's adviser especially should be consulted in this phase of his program.

If a student plans to take a practicum experience as part of his master's program, he should take it at the end of the integrated sequence of courses.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Students in educational administration and supervision receive a broad theoretical background which facilitates career movement through a variety of administrative positions. Students may, however, emphasize course work, internships, and field experiences related to specific leadership posts such as: superintendencies; principalships at all levels; business administrators; central office personnel; supervisors or directors of special-ed areas; administrators in local, state, or federal education agencies; and community college administrators.

Candidates may specialize in either administration or instructional supervision and arrange programs suitable to their goals. The faculty encourages students whose background does not include a strong academic concentration to pursue a secondary concentration in an academic area. Candidates with strong undergraduate academic concentrations may take work in foundations, and counselor education, elementary education, or secondary education.

Programs are available to satisfy Illinois certification requirements for the following endorsements: general supervisory (required of supervisors, etc.); general administrative (required of principals, assistant principals, etc.); and superintendent (required of superintendents of schools). Courses are also generally acceptable for certification in other states. For details consult either the chairman of the faculty or the Registrar.

In addition to graduate degree programs, the Faculty of Educational Administration offers the following services:

1. Pre-service preparation for persons planning careers in administrative and supervisory positions in schools and other educational organizations at the local, county, state, national, or international level.
2. Continued professional development programs for administrators and supervisors who seek to improve their competence or who anticipate a change in position or responsibilities.
3. Specialized advisory, consultant, research, and field services geared to the needs of school systems and other appropriate agencies.
4. Instruction and counsel to individuals who are neither in, nor intend to enter, administrative positions. These may be teachers, school board members, community and social agency employees, and other laymen interested in gaining insights into educational administration.

ELEMENTARY EDUCATION

Programs in elementary education are developed for the classroom teacher and for those who wish to concentrate in one of the following areas: language arts, reading, social studies, elementary mathematics, and elementary science. Each of these areas includes 16 hours in the general-professional core of courses, a carefully planned sequence of 16 hours in elementary education, and 16 hours of electives. The electives may be used to give breadth to the student's course of study or provide a degree specialization.

SECONDARY EDUCATION

The program in secondary education is designed to increase the student's knowledge of his teaching field and to contribute to his effectiveness in teaching. With his education adviser 8 to 16 hours of secondary education courses are selected. In consultation with his teaching area adviser at least 16 hours in his teaching field are designated. These studies in the teaching field also satisfy the cognate area requirement. The balance of his work is arranged in the light of the student's experience, interests, and academic needs.

Within this framework, a student may qualify for the General Supervisory Endorsement by completing one more course in either research or curriculum than otherwise required.

Appropriate elective courses are selected for those who plan to work in community colleges or other institutions of higher education.

SPECIAL EDUCATION

The program in special education is designed to prepare teachers of exceptional children. In order to be eligible for the program the student will need to hold or qualify for a teaching certificate.

Students may select one of the following areas for special attention: the educable mentally handicapped, the emotionally disturbed, or the gifted. Students specializing in the educable mentally handicapped and the emotionally disturbed, at the discretion of their advisers, may be expected to take selected elementary education courses. Completion of the sequence of courses in the areas of the emotionally disturbed and the educable mentally handicapped qualifies the student for the appropriate Illinois certification or approval.

Students seeking certification in the administration of special education must have teaching experience in special education. Since students in this program have a wider range of skills and possess diversified backgrounds, broad programs are planned with two major objectives in mind: (1) to give the student an understanding of and experience with several types of exceptional children, especially in sub-areas in which he has not taught, and (2) to develop his administrative competencies.

All special education students are able to obtain experience with exceptional children through the cooperation of the public schools in the surrounding area. The resources of various state agencies and other public and private facilities are used to supplement the public school experience.

The Sixth-Year Specialist's Certificate

COUNSELOR EDUCATION

The Sixth-Year Specialist's Certificate Program requires a minimum of 45 quarter hours of work. The program is individually planned to meet the student's professional objectives. This program includes a minimum of 16 hours of practicum and/or internship. Specific courses and the sequence in which they are to be taken must be approved by the student's advisory committee.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

Admission standards for the Sixth-Year Specialist's Certificate Program parallel the admission requirements for the Doctor of Philosophy degree program. Students admitted on a provisional basis must have the consent of the Dean of University Graduate Studies and Research. All candidates must have the master's degree or its equivalent. Prerequisites to this program include the required courses for the Master of Science in Education degree in educational administration.

The program leading to the Sixth-Year Specialist's Certificate Program includes 8 hours of graduate courses in the foundation field, 16 hours in the area of educational administration, 5 hours in a field study, and either 3 hours in an internship or practicum, or additional course work for those with extensive administrative experience. The areas of specialization, the practicum, and the field study are individually planned in terms of the candidate's professional goals. Eight hours of cognate course work is also required. A comprehensive oral or written examination as specified by the student's adviser is required.

SECONDARY EDUCATION

Admission standards for the Sixth-Year Specialist's Certificate Program parallel the admission requirements for the Doctor of Philosophy degree program. All candidates must have the master's degree or its equivalent.

The work leading to the Sixth-Year Specialist's Certificate Program is arranged in terms of the needs and objectives of the student. The program is designed to extend the competence of classroom teachers in the junior and senior high schools and the junior college. Candidates admitted to the program plan with an appointed committee an appropriate sequence of education and cognate courses of at least 45 quarter hours of credit. The candidate completes a field study or a practicum or both at the discretion of his committee. A comprehensive oral or written examination as specified by the adviser is required.

English

Programs leading to the Master of Arts degree, the Master of Arts degree for the junior college English teacher, and the Master of Science in Education degree with the subject-matter concentration in English are offered. Inquiries about admission to graduate study should be sent to the Graduate Adviser, Faculty of English Language and Literature, Southern Illinois University, Edwardsville, Illinois 62025.

Master of Arts Degree

The Master of Arts degree in English permits the student to elect to write a thesis or to take a comprehensive examination.

A. General Requirements
   1. Complete 48 hours of satisfactory work in English with at least one course (400 or 500 level) from four of the following six periods: Medieval; Renaissance (1500–1660); 18th Century (1660–1800); 19th Century Colonial; 19th Century American; 20th Century British and American.
   2. Take English 500 during the first quarter it is available.
   3. Take one course in English linguistics at the 400 level or take English 501.
   4. Present a satisfactory score on an examination which is based upon two years of course work at the college level in a modern or classical foreign language.

B. Thesis Option
   1. Submit to the chairman of the English Faculty an accepted thesis.
   2. Complete 8 hours of English 599 by passing a one-hour oral examination on the thesis and related topics.

C. Examination Option
   1. Complete 4 hours of English 598 by passing a written examination based on a reading list in British and American literature and linguistics.

Master of Arts Degree for the Junior College English Teacher

For this degree 48 hours of course work are required, as outlined below:

1. 20 hours (5 courses) in any four of the six periods covered by 400- and 500-level courses in English and American literature. This is 4 hours more than required of present Master of Arts degree candidates.

2. 16 hours in specified courses, as follows: Educational Administration and Supervision 565–4 (The Community Junior College); English 585–4 (Teaching College Composition); English 495a–4 (Literary Criticism); a 400-level course in writing; a 4-hour course in English linguistics or language at the 400- or 500-level.

3. 8 hours of 400- or 500-level courses in any single field in the Humanities, Social Sciences, or Fine Arts Division. The student may, if he chooses, elect to take these 8 hours in English.

4. 4 hours in the regular Master of Arts degree written examination based on the reading list.

The student must present a satisfactory score on an examination which is based upon two years of course work at the college level in a modern or classical foreign language.

Master of Science in Education Degree (Concentration in English)

A minimum of 24 hours in English is required, as outlined below:

1. English 485 (Problems in the Teaching of English).
2. English 403 (History of the English Language).
3. The remaining hours must be distributed so that there will be at least one course in four of the six periods listed under the general requirements for the Master of Arts degree.

Foreign Languages

In conjunction with the Education Division, the Humanities Division offers foreign language concentrations (French, Spanish, or German) in the program leading to the Master of Science in Education degree (secondary education). The program is designed primarily for prospective or in-service foreign language teachers in secondary schools who wish to improve their language and professional competence to graduate level standards of excellence.

Applicants for admission to a foreign language concentration must receive the approval of the Foreign Languages Faculty of the Humanities Division in addition to meeting the general requirements for admission to the Graduate School and the requirements of the Education Divsion for this program.

A foreign language concentration normally involves graduate level work in each of four areas of competence: language skills, language analysis, literature and culture, and professional preparation. Candidates normally take a minimum of 4 hours in each area with half of the total work on the 500 level.

No specific courses are required of all candidates. The work taken in each area varies according to the candidate's previous academic training, teaching experience, and language proficiency as demonstrated upon entrance into the program. The total minimum hours of work in the concentration is 16; the maximum, 32. An average of 24 hours is required to complete the concentration for those with undergraduate foreign language majors of 27 quarter hours beyond the intermediate college level. Candidates with deficient academic preparation but with demonstrated language proficiency may be admitted to the program but are expected to take closer to the maximum of 32 hours in the concentration. No candidate is considered as accepted in a foreign language concentration until it is established by consultation with the Education Division that his total needs in foreign language hours can be reconciled with his total education needs in the Master of Science in Education degree (secondary education) program.

To be retained in the foreign languages concentration of the program, candidates must maintain a *B* (4.0) average in the foreign languages work. Graduate work in a foreign language taken at other universities and in NDEA Institutes granting graduate credit is integrated into the concentration within the limits of the regulation of the Graduate School concerning the transfer of graduate credit.

Geographical Studies

Programs leading to the Master of Arts, Master of Science, and Master of

Science in Education degrees are offered. The basic requirements in each of the programs are similar and require: (1) a core program in the major subject area of geography; (2) a competence in a specialized area; and (3) a thesis or its equivalent to demonstrate research ability. Areas of specialization are cartography, cultural, economic, earth science, urban geography, and urban and regional planning. These specialization programs may include course work from related departments. Students not having an undergraduate concentration in geography are required to take undergraduate course work in deficient areas.

The basic core program requires graduate course work in the following areas:

1. Physical or Economic Geography.
2. Quantitative or Field Techniques.
3. Research Techniques.
4. Cartography.
5. Philosophy of Geography or Planning.

Sixteen or more quarter hours are required in an area of specialization. Twenty-four quarter hours of geography are required to list geography as a secondary concentration in the Master of Science in Education degree. The Master of Science degree requires 48 hours, two research papers, and competence in quantitative techniques or field methods instead of a foreign language.

The chairman advises all graduate students prior to the appointment of a graduate adviser. A comprehensive preliminary examination is required and used in advising students. An oral defense of both the thesis outline and the completed thesis is required. The thesis outline must be developed with the advice of the thesis chairman and the student's advisory committee. After approval, the thesis title must be filed in the office of the Dean of the Graduate School.

All general requirements of the Graduate School must be met.

Government

Graduate courses in government may be taken as a major or minor leading to the Master of Arts degree or the Master of Science degree, or as a concentration in government toward the Master of Science in Education degree.

The subject-matter fields in which students concentrate their study are:

1. American Government and Politics.
2. Comparative Politics.
3. International Relations.
4. Political Theory.
5. Public Administration.
6. Public Law.

All candidates for graduate degrees are expected to select one of these areas of concentration as their major field and to demonstrate special competence both in that field and in two other areas of concentration.

Departmental processing of applications for acceptance as a graduate student in government is the joint responsibility of the department's director of graduate studies and its chairman.

The director of graduate studies serves as adviser for all graduate students until such time as an advisory committee is named for the individual student. This should be done by the end of the second quarter in residence

Master of Arts Degree

Requirements for admission imposed by the department are in addition to those of the Graduate School. The department ordinarily considers accepting as potential candidates for the master's degree only persons who have graduated from an accredited four-year college or university with a 3.70 overall grade-point average and 4.0 grade-point average in their major, and who have completed a minimum of 21 quarter or 14 semester hours in the field of government or political science. The candidate must present course work or other evidence of competence in three fields of political science. Persons who do not meet these minimal requirements or their equivalent can be considered for acceptance only on a petition to the department's director of graduate studies and chairman which, if granted, indicate the deficiencies to be made up by work that will not be counted toward the Master of Arts degree.

A minimum of 48 quarter hours of credit, no more than 9 of which may be for the thesis, constitutes the basic course requirements for the Master of Arts degree. At least 24 of these hours must be in courses at the 500 level. The course work must include at least 9 hours of work in each of two areas other than the one in which the thesis is written.

A student who completes only the minimum of 48 hours of course work may devote no more than 9 of those hours to courses outside the department unless the work is in a cognate field which has been approved as a replacement for one of the areas of concentration within the department. In the latter event, as many as 16 hours in the outside field may be counted within the 48-hour minimum, and a minimum of 15 hours in the cognate field are required.

Each candidate for a Master of Arts degree must include in his studies the departmental course in the scope and method of political science (Government 499).

A student must maintain an overall 4.00 grade-point average in order to be eligible for the Master of Arts degree, and no more than 9 hours of work with a grade of *C* may be counted toward the Master of Arts. A student whose work at any time falls significantly below this average may be dropped from the graduate program after consultation between his adviser and the director of graduate studies.

Proficiency in one modern foreign language is one of the University's requirements for the Master of Arts degree. Foreign language proficiency is demonstrated by successful completion of an examination administered by the foreign language department which is designed to test reading ability equal to that expected of students who have completed two years of college-level training in the foreign language. Proficiency in a foreign language must be certified to the Graduate School at least three months prior to graduation.

A thesis of the usual form and scope is required for the Master of Arts degree. Additional course work is not accepted in lieu of a thesis.

The final oral examination covers the thesis and the major area in which it was written. It also tests the candidate's competence in his two minor areas.

Master of Science Degree

The requirements for the Master of Science degree in government are the same as those for the Master of Arts degree, with the following exceptions:

For the Master of Science degree, a student may elect to offer competence in statistics in lieu of proficiency in a modern foreign language. Successful completion of Government 410 or Mathematics 410a,b,c with a grade of *B* or higher, or an equivalent proficiency examination is required if the student wishes to substitute statistics for the foreign language requirement. The proficiency examination is administered by the government faculty at specified intervals during the academic year.

A research paper may be submitted in place of a thesis for this degree. The research paper is developed under the close supervision of a member of the graduate faculty. It should be more narrowly focused than a thesis, but must meet the same standards as to style, form, and level of presentation. No more than 6 hours of credit in Government 595 (Individual Research) may be earned for the writing of the research paper.

History

Programs leading to the Master of Arts degree in history, and to a teaching concentration in history for the Master of Science in Education degree in cooperation with secondary education, are offered by the Faculty of Historical Studies. The Master of Arts degree is recommended for students who plan to continue graduate studies at the doctoral level, or who desire to teach in junior colleges.

Each student is individually advised in his program and may elect courses in ancient history, medieval and modern European history, Latin American history, United States history, and other fields.

In addition to the general requirements of the Graduate School, the following specific requirements apply for the degrees indicated:

Master of Arts Degree

1. At least 32 of the required 48 hours of graduate credit must be in history. At least half of the history hours must be completed in courses at the 500 level.
2. A thesis must be presented for which 8 quarter hours of credit is given at the 500 level.
3. A reading examination in a modern foreign language must be passed.
4. A final oral examination covering the thesis and other appropriate topics must be passed.

Master of Science in Education Degree (Concentration in History)

Master of Science in Education degree students are advised in both the Social Sciences and Education Divisions, and their programs require the approval of two advisers. Candidates for this degree should have a strong undergraduate background in history in order to qualify for graduate work. Requirements include:

1. At least 16 and normally 24 hours of graduate credit in history are required. Half of the hours in history must be at the 500 level.
2. The combined total of graduate and undergraduate hours in history must be no less than 64.
3. The program of courses in history must be approved by the graduate history adviser to provide adequate balance in areas of study.
4. A research paper of acceptable quality must be submitted.
5. A final oral examination covering the program of graduate study must be passed.

Mathematical Sciences

Graduate work in the mathematical sciences may lead to the Master of Arts or the Master of Science degree. Courses are offered for students interested in applied mathematics, computer science, pure mathematics, or probability and statistics. Students may prepare for positions as junior college teachers, for positions in industry or government, or for advanced study in mathematics leading to the Ph.D. degree.

A program given jointly with the Education Division offers courses leading to the Master of Science in Education degree with a concentration in mathematics.

In addition to the general requirements of the Graduate School, the following specific requirements apply for the degrees indicated:

Master of Arts Degree

1. At least 40 of the required 48 hours of graduate credit must be in mathematics. Course work must include at least three of the following sequences: Mathematics 501, 520, 530, 551, 555.
2. A thesis which carries from 5 to 9 hours credit.
3. Reading ability in French, German, or Russian demonstrated by examination.
4. Satisfactory performance on written examinations over three areas of mathematics.
5. Satisfactory performance on an oral examination over the thesis and other topics that are deemed appropriate by the examining committee.

Master of Science Degree

1. At least 32 of the required 48 hours of graduate credit must be in mathematics. Course work must include two of the following sequences: Mathematics 501, 505, 520, 530, 551, 555, 575, 580.
2. A thesis or a research paper.
3. Satisfactory performance on written examinations over three areas, two of which must be mathematical.
4. Satisfactory performance on an oral examination over the research paper and other topics that are deemed appropriate by the examining committee.

Master of Science in Education Degree (Concentration in Mathematics)

1. From 16 to 32 hours of graduate credit in mathematics with at least 8 hours in mathematics at the 500 level. Specific courses are chosen to fit the background and needs of individual students.
2. A research paper.
3. Satisfactory performance on an oral examination over the research paper and course material.

Music

The Faculty of Music offers graduate work leading to the Master of Music degree with a concentration in music education. An applicant for admission to the graduate program is expected to have a major or minor in music and at least a 3.5 overall grade-point average in undergraduate work.

In addition to the general requirements of the Graduate School, requirements for the Master of Music degree in music education are:

1. Placement examinations in music theory, music history-literature, and in music education must be passed before a student is permitted to enroll in 500-level courses in those areas.

Students planning to do a recital in lieu of a thesis must pass a performance audition prior to enrolling in applied study.

2. A minimum of 18 hours in music education courses. Six hours of professional education courses may be substituted, upon approval of the adviser.

3. Specific courses required: Music 501–3, 502a–3, and 599–6.

4. Elective courses in music to make a total of 48 hours for the degree. Cognate courses, up to a total of 6 quarter hours' credit, may be used, upon approval of the adviser.

5. Twenty-four or more hours must be in courses at the 500 level.

6. A thesis is normally expected. However, a student who desires to perform a recital and submit a research paper for the recital, in lieu of the thesis, may do so upon approval of his adviser and auditioning committee.

Philosophy

The Faculty of Philosophical Studies offers graduate work leading to the Master of Arts degree. The program is designed to prepare individuals for college teaching or for taking additional work leading to the Ph.D. degree.

In addition to the general admission requirements of the Graduate School, the Faculty expects an applicant for admission to the graduate program in philosophy to have had at least 24 undergraduate quarter hours' work in philosophy, including at least one course in ethics, one course in logic, and a year in the history of philosophy. The Faculty may waive a portion of this credit requirement in favor of maturity and quality and breadth of academic experience. The applicant is required to make up serious background deficiencies by taking appropriate undergraduate philosophy courses without credit.

The program for the Master of Arts degree in philosophy may be completed during one calendar year (four academic quarters). Since the normal course load is expected to be 12 class hours per quarter, full-time students have four full quarters of courses during which time requirements for foreign language competence, the comprehensive examination, and the two oral presentations may also be satisfied. Teaching assistants, who may expect to take 8 hours of graduate courses per quarter, should be able to complete their degree in two years without summer classes or in one year with a full load of summer classes for two summers.

Graduate students in philosophy are eligible for fellowships awarded by the Graduate School. A typical stipend is $2250 for the academic year plus tuition. Teaching assistantships of up to $2700 plus tuition for the academic year are available from the Faculty of Philosophical Studies. Teaching assistants are assigned teaching duties requiring a total of eighteen hours per week during the academic year. This typically involves four to six contact hours per week. Additional financial support is available during the summer months. Applications for assistantships should be received by March 1 and should be addressed to the Chairman of the Faculty of Philosophical Studies. All other correspondence should be addressed to the Graduate Adviser, Philosophical Studies.

Master of Arts Degree

In addition to the general degree requirements of the Graduate School, the following requirements must be met:

1. Of the 48 quarter hours required for the master's degree, 36 hours result from taking all of the following: Philosophy 502a, 502b, 531, 535, 545, 546, 560, 565, and 575. The 12 hours of electives must be approved by the graduate adviser in philosophy. (Philosophy 565, 572, and 575 may be taken more than once, since the topic is varied from quarter to quarter.)
2. The student must demonstrate a reading knowledge of one foreign language (usually French or German) during the first two quarters of graduate work by special examination.
3. The student must pass a comprehensive written examination on his general understanding of philosophical problems and his knowledge of the efforts of the major philosophers to resolve these problems.
4. Candidates for the degree must have achieved a *B* average in graduate courses.
5. Oral presentations. Two research papers are to be prepared during the course of the candidate's graduate work. Each paper is to be on a subject area distinct from the other, and when approved by a faculty adviser, they are the basis for an oral presentation of approximately fifty minutes each. These presentations emphasize the oral statement of research findings. Their model is a class the student may be expected to teach in his future career. Although no master's thesis is required in this program, it should be noted that research skills are necessary both for these oral presentations and for the term papers which are required in almost all graduate philosophy courses.

Physics

The Faculty of Physics offers programs of study leading to the Master of Science degree in physics and the Master of Science in Education degree with a concentration in physics for students planning to teach at precollege levels. Students planning to teach at the junior college level are advised to enter the Master of Science degree in physics program since junior colleges are generally requiring a Master of Science degree in the subject matter area, or the Sixth-Year Specialist's Certificate in secondary education which is also available in physics. Students who plan to earn either degree in physics are governed by the regulations in this catalog with respect to scholastic attainment, hours of credit, residence, and time limitation for completion of the program.

The experimental research activity of the Faculty of Physics is concentrated in two main areas, solid state physics and plasma physics. The Solid State Laboratory consists of a General Electric XRD6 single crystal diffractometer, a Varian 12-inch magnet system with Fielddial Mark II control, fast pulse instrumentation, microwave equipment, and sample preparation equipment. The Plasma Physics Laboratory possesses a 132 KVA Plasma flux magnet system and a magnetic pinch device. A fast flow microwave discharge system is being constructed to study molecule-atom energy transfer. Optical, electrical, and microwave diagnostics are also available. There is a well-equipped machine shop, an electronics shop, and glass-blowing facilities. These shops are operated by three full-time technicians. The Science Laboratories possess GE 265 and Mark II time-

sharing computer terminals, and IBM 1401 and 1130 computers are housed in the adjacent building. Access to an IBM 7040 is also available. The theoretical research is in the areas of elementary particle physics and atomic scattering. The particle theorists are publishing in the areas of Regge Pole theory and current algebra, while the atomic scattering theorist is studying the ionization threshold laws in the low energy region.

Graduate students in physics are eligible for fellowships awarded by the Graduate School. A typical stipend is $2250 for the academic year plus tuition. Teaching assistantships for first-year students of $2700 plus tuition for the academic year are available from the Faculty of Physics. Teaching assistants are assigned teaching duties requiring a total of 15 hours per week during the academic year. This typically involves about 6 contact hours per week. Additional financial support is available during the summer months. Several research assistantships are also available for qualified students. Applications for assistantships should be received by March 1.

Master of Science Degree

In addition to the general rules, the Faculty of Physics specifies requirements which are outlined below.

1. *Admission.* A student with a baccalaureate degree who satisfies the general requirements for admission to graduate work may qualify for this program provided he has a 4.0 average in an undergraduate concentration in physics or has permission of the physics graduate faculty.

2. *Program of Study.* In order to receive the degree, a candidate must satisfy the general requirements of the Graduate School and must earn at least 30 hours of graduate credit in physics with an average grade of 4.0 or higher. The remaining 18 hours must be in electives approved by the student's advisory committee. These are generally in mathematics, engineering, or chemistry. However, students interested in junior college teaching might well benefit from courses such as Educational Administration and Supervision 565–4 or Science and Technology 415–1 to 3. This program of study must include the following physics courses: 510a, 510b, 530a, 530b, 575, and 590. The remaining 12 hours must be selected from 400–500-level physics courses. Before a student is accepted as a candidate for this degree, his proposed program of study must be approved by his advisory committee.

3. *Advisory Committee.* Each candidate's program is supervised by a committee of the physics graduate faculty composed of a chairman and at least two other members. Initially the chairman of the committee is the graduate adviser who appoints the other members of the committee.

4. *Examination.* In order to qualify for the proposed degree and to begin research work for a thesis, the candidate must pass a written examination under the supervision of his advisory committee. The examination is given in two parts. Part I covers topics from the fields of classical mechanics and electromagnetic theory; and Part II from the fields of atomic, nuclear, and solid state physics, kinetic theory, thermodynamics, statistical mechanics, optics, and quantum mechanics.

5. *Thesis.* Each candidate must submit to the Graduate School and to the Science and Technology Division a thesis based on his work in an approved physics research program. After a thesis, acceptable to this advisory committee, is submitted, the candidate must pass an oral examination in order to be certified for the degree.

Master of Science in Education Degree (Concentration in Physics)

In addition to the general rules, the Faculty of Physics specifies the following requirements.

1. *Admission.* A student who satisfies the requirements for admission to the Master of Science degree program and has been approved for work in secondary education by the Education Division may qualify for a program leading to the Master of Science in Education degree with work in physics.

2. *Program of Study.* In order to receive the proposed degree, a candidate in addition to the general requirements and the requirements of the Education Division, must earn at least 16 hours of graduate credit in physics and may earn as many as 32 hours of graduate credit in physics toward the degree. The student must have at least a *B* (4.0) average in all graduate work in physics as well as a 4.0 average in all graduate work; at least 6 hours of physics courses must be at the 500 level. Physics courses in this program are listed under the heading Science and Technology. The program of study must include the following courses: Science and Technology 400 or 401a, 402, 403a, 406a, 415, and 505a.

Before a student is accepted as a candidate for this degree, an advisory committee must be formed for this student consisting of at least one member from the physics graduate faculty.

3. *Research Paper.* A research paper or thesis approved by the student's advisory committee is required of all candidates for this degree.

4. *Examination.* As required by the general rules of the Graduate School, a candidate for this degree is required to pass a comprehensive examination of his graduate work under the supervision of his advisory committee.

Sixth-Year Specialist's Certificate in Secondary Education (Concentration in Physics)

In cooperation with the Education Division, courses are offered in physics which may be used in a secondary education specialist's program. The work leading to this certificate is arranged in terms of the needs and objectives of the student. The program is designed to extend the competence of classroom teachers in the junior and senior high schools and in the junior college. Candidates admitted to the program plan with an appointed committee an appropriate sequence of courses of at least 45 quarter hours of credit. A comprehensive oral or written examination is required.

Psychology

The Master of Arts and Master of Science degrees are offered in psychology. A minimum of 60 quarter hours of acceptable graduate credit is required for either degree. A candidate for the Master of Arts degree is also expected to demonstrate reading proficiency in a modern foreign language. Each candidate must submit a thesis as evidence of his knowledge of formal research techniques.

Because of the general flexibility of the program, several options are available for students seeking preparation for entry into such professional areas as school psychology, teaching, and industrial psychology or into advanced graduate programs in psychology.

Separate application forms for both the psychology faculty and the

Graduate School are required; both the faculty's admissions committee and the Graduate School must grant their approval.

While an undergraduate concentration in psychology is desirable, capable students from other academic concentrations interested in psychology may enter the graduate program provided they have had at least *one* course in each of the following: applied psychology, statistical methods, and experimental psychology. The prospective enrollee must submit results of the Miller Analogies and the Graduate Record Examination and must show at least a *B* average in his major undergraduate field.

A tentative plan of study must be approved by the psychology adviser. Course work includes a core program required of all candidates. The core consists of 501–12 (Proseminar in General Psychology), 520–4 (Research Design and Inference I), and 599–6 to 9 (Thesis). In addition, 521–4 and 522–4 (Research Design and Inference II and III) or 593–8 (Practicum in Psychology) is required. The remaining 27–30 hours of the program are electives which must include a sequence of three or more courses in at least one area of psychology (child, learning and motivation, perception, personality, social) to assure some work in depth in a chosen field.

A variety of research and practicum experience is important. All students are expected to participate in research or practicum experiences.

Sociology

The Master of Arts and the Master of Science degrees are offered in sociology with the following requirements.

1. Forty-eight hours are required for graduation. Course work must include 410a, 501, 519, 521, and 525. A student may earn a maximum of 8 hours in independent reading.

2. A student must pass a comprehensive written examination in which he demonstrates general knowledge of sociology. This examination is given in three parts of two hours each, usually in the spring.

3. A student must submit a thesis and pass an oral examination in defense of the thesis.

4. Reading knowledge of one foreign language must be demonstrated by passing the appropriate foreign language examination for those who wish to earn the Master of Arts degree. There is no language requirement for the Master of Science degree.

A minor in sociology for those students working toward master's degrees in other fields consists of 20 quarter hours distributed as follows: (1) Methods, (2) Theory, (3) Social Psychology, (4) Social Organization and (5) Deviance and Social Disorganization. Students taking the minor must meet existing prerequisites for the courses and must pass a three hour written examination.

Speech

The Speech and Theater Faculty offers programs of study leading to the Master of Arts and Master of Science degrees. Students may specialize in speech, speech pathology and audiology, or theater. In addition to the general regulations of the Graduate School, the following conditions pertain.

1. Competency in a foreign language is required for the Master of Arts degree.

2. Students may elect Plan I or Plan II for their degree program.

Plan I

a. Take a minimum of 39 hours of course work.

b. Submit a thesis demonstrating ability to do research.

c. Pass a comprehensive examination over the thesis and planned program.

Plan II

a. Take a minimum of 48 hours of course work.

b. Submit a research paper as evidence of a knowledge of research techniques.

c. Pass a comprehensive examination over the planned program.

Applicants should apply to the chairman of the faculty and the Graduate Office. Detailed statements of departmental requirements are available upon request.

Speech Pathology and Audiology

(See Speech)

Theater

(See Speech)

3 / Course Descriptions

HERE ARE DESCRIBED all of the courses offered by the University at the Edwardsville Campus for graduate credit. Courses are listed numerically within each subject-matter area. Areas are listed below in the order of their appearance on the following pages.

Accounting
Anthropology
Art
Biology
Business Administration
Business Education
Chemistry
Counselor Education
Economics
Educational Administration and Supervision
Elementary Education
Engineering
English
Finance
Foreign Languages
  General Foreign Language
  French
  German
  Greek
  Italian
  Russian
  Spanish
  Romance Philology
Geography
Government
Health Education
History
Instructional Materials
Journalism
Management Science
Marketing
Mathematics
Music
Personnel and Industrial Relations
Philosophy
Physical Education
Physics
Production
Psychology
Quantitative Methods
Rehabilitation
Science and Technology
Secondary Education
Social Welfare
Sociology
Special Education
Speech
Speech Pathology and Audiology
Television-Radio
Theater

Explanation of Entries

The first entry for each course is a three-digit numeral which serves to identify the course. Courses numbered 400–499 are open to both seniors and graduate students. Courses numbered above 499 are for graduate students only.

Following the course identification number is another number, which indicates the maximum credit allowed for the course. The maximum may vary, and specific credit hours may be assigned for each quarter a course is given.

After each course description are listed the prerequisites, if any, which must be satisfied by the student before the student is permitted to enroll in that particular course.

To learn when a course is offered, the student should consult the Schedule of Classes which may be obtained from Central Publications, Southern Illinois University, Edwardsville, Illinois 62025. When requesting a schedule, please specify quarter (fall, winter, spring, or summer).

Accounting

432–4 Problems in Federal Taxation. Income tax problems of partnerships, corporations, estates, and trusts; brief study of social security, federal estate, and gift taxes; solving of complicated tax problems by research in source materials. Prerequisites: 331, consent of instructor and faculty chairman.
439–1 to 4 Independent Study in Accounting. An investigation of topical areas in greater depth than regularly titled courses permit. Individual or small group readings and projects. For qualified seniors. Prerequisite: consent of instructor and faculty chairman.
442–4 Advanced Cost Accounting. Managerial control and profit planning through capital budgeting, inventory planning, subjective probabilities, statistical methods, and operations research; direct and relevant costing; nonmanufacturing costs; differential and comparative cost analysis. Prerequisite: 341.
453–4 Advanced Accounting. Advanced study of accounting principles and procedures relating to specialized topics, including partnership equity, installment and consignment sales, insurance, compound interest, and preparation and use of consolidated statements. Prerequisite: 351b.
456–4 Auditing. Objectives, standards, and procedures involved in examining and reporting on financial statements of business organizations. Prerequisites: 341, 351b.
458–4 Accounting Systems. Problems in accounting systems design and installation. Examination of existing systems and practice in system design and reports. Prerequisites: 331, 341, 351b.
461–4 Advanced C.P.A. Problems. A course using problems from the American Institute of Certified Public Accountants' examinations given in recent years and supplementary problems from selected sources. Prerequisites: 341, 351b.
530–4 Conceptual Framework of Accounting. Accounting records of income measurement, price level, principles of financial statement analysis, and fund flow statements. Restricted to Master of Business Administration students.
533–4 Managerial Accounting. Consideration of programs and techniques of internal control and reporting for management, cost concepts and applications, variable costing, cost-volume-profit relationships, budgeting concepts, and complex problems for managerial decision. Prerequisite: 530.
538–4 Seminar in Accounting. Comprehensive study and research in selected areas of accounting related to students' special interests. Prerequisite: 533.

Anthropology

400–4 Man and Culture. The nature of culture and cultural process. Relationships of culture and man as an individual and as a group. Emphasis on "the anthropological point of view."
404–4 Primitive Art and Technology. The development of man as an art-loving and a tool-using being. Artistic and technological tradition of non-Western peoples, past and present.
405–4 Social Anthropology. A comparative approach to the organizational features of human groups. Functional aspects and distributions of kinship, political, religious, and economic systems.
408–4 History of Anthropological Thought. The growth of anthropology to about 1860, followed by a more intensive survey of the concepts and ideas of anthropology during the past hundred years.
409–4 Anthropology and Modern Life. The applications of anthropological principles to the solution of problems of the modern world. Contributions of anthropology to the work of the educator, social worker, administrator, business man, government official, and other specialists dealing with man in Western and non-Western cultures.
416–4 Culture Change. Long and short range culture change, acculturation process and innovation, theory and method of study of culture change.
424–4 Culture and Personality. A cross-cultural comparison and survey of personality in relation to cultural differences found in the "folk societies" with emphasis on the socialization and enculturation of the child; group variants in personality and measurement of their cultural correlates. Prerequisite: junior standing or consent of instructor.

430–4 Archaeology of North America. An introduction to the methods of archaeology and a survey of prehistoric Indian cultures north of Mexico, with particular emphasis upon the cultures of the Mississippi Valley.
432–4 Archaeology of the Midwest. A survey of prehistoric cultural developments in the Mississippi River drainage, with emphasis on events leading to the climax of the Mississippian culture at Cahokia; contributions to archaeological theory; field trips to local archaeological sites. Prerequisite: 330 or consent of instructor.
452–4 Political Anthropology. Cross-cultural comparison of political systems with emphasis on non-European peoples; functional relations between politics and society; the growth of political complexity and systems of authority and leadership. Prerequisites: junior standing, consent of instructor.
482–4 Indians of the Plains: Prehistory, Ethnohistory, and Culture. An advanced introduction to dynamic changes which produced the Plains Indian Culture-Area, including the acculturative history of Plains Indians after contact with Europeans. Prehistoric antecedents of the historic tribes; basic features of Plains Indian culture, with subareal variations; and ethnohistory and acculturation in the wake of the advancing frontier. Prerequisites: junior standing, consent of instructor.
483–3 to 18 Individual Study in Anthropology. Guided research upon anthropological problems. Students should consult the chairman of the faculty before enrolling.
507–9 (3,3,3) Pro-seminar in Social Anthropology.
508–8 (4,4) Pro-Seminar in Cultural Anthropology. **(a)** Theory and method of anthropology. Cultural variables and human behavior, formulation of problems and their research according to preferred anthropological techniques, case studies in theory and method. **(b)** Acculturation and applied anthropology. Variables influencing culture change, planning and culture change, case studies in culture change.
586–3 to 12 Advanced Readings in Anthropology. Guided readings to allow exploration in interest areas, and to permit elimination of special gaps in a student's anthropological background in a specific area. Prerequisites: graduate standing, consent of instructor.

Art

Art Education: 408, 460, 466, 560, 566.
Art History: 483, 571.
Studio: 401, 405, 406, 410, 416, 420, 426, 441, 501, 502, 511, 520.
401–2 to 12 Research in Painting.
405–2 to 12 Studio in Sculpture.
406–2 to 12 Studio in Painting.
408–4 Art Education for Elementary Teachers II.
410–2 to 12 Research in Prints.
416–2 to 12 Studio in Prints.
420–2 to 12 Research in Pottery.
426–2 to 12 Studio in Pottery.
441–9 (3,3,3) Studio in Drawing. Open only to junior, senior, and graduate levels. Prerequisite: 12 hours of 300-level art.
460–2 to 12 Research in Art Education.
466–2 to 12 Studio in Art Education.
483–3 to 12 Research in Art History. Individual research in the painting, sculpture, architecture, and related arts of the various periods.
501–2 to 12 Graduate Painting. May be repeated as advised. Prerequisite: 401–8 or 406–8.
502–2 to 12 Graduate Sculpture. May be repeated as advised. Prerequisite: 405–8.
511–2 to 12 Graduate Printmaking. May be repeated as advised. Prerequisite: 410–8 or 416–8.
520–2 to 12 Graduate Ceramics. May be repeated as advised. Prerequisite: 420–8 or 426–8.
560–2 to 12 Seminar in Art Education.
566–2 to 12 Research in Art Education.
571–2 to 5 Readings in Art History.
599–5 to 9 Thesis.

Biology

406a–3 Cell Organelles and Inclusions. The function, structure, and formation of selected organelles and inclusions of eucaryotic cells. Current literature is covered in some detail and discussion sessions are held. Three hours lecture per week. Prerequisite: 301a, 301b, or bio-chemistry.
406b–1 Readings in Cell Organelles and Inclusions. Covering of current literature in a given topic. Presentation of a term paper covering this material. Prerequisites: consent of instructor, concurrent enrollment in 406a.
406c–1 Laboratory in Cell Organelles and Inclusions. Experiments studying cell organelles and inclusions. Three hours laboratory per week. Prerequisites: consent of instructor, concurrent enrollment in 406a.
407–4 Electron Microscopy. An introduction to the principles of electron microscopy technique and the use and operation of the major instruments. Two lectures and two laboratories per week. Prerequisites: 301a or 302b, consent of instructor.
410–4 Advanced Genetics. A study of quantitative inheritance, chromosomal evolution and organization, the regulation of gene action, and radiation genetics. Three lectures, one laboratory per week. Prerequisites: 303a, GSD 114d.
415–4 Experimental Embryology. A survey of the literature from the beginning of experimental embryology; laboratory includes classical and modern techniques. Two lectures, two laboratories per week. Limited to ten students. Prerequisite: 301c and organic chemistry (or concurrent registration).
420–4 Plant Synecology. The structure, development, and causative factors in the distribution of plant communities. Field techniques for quantitative measurements and interpretations of successional dynamics are stressed. Three lectures, one laboratory per week. Saturday field trips required. Prerequisite: 303c.
423–4 Principles of Parasitism. Principles dealing with parasitic relationships. Includes study of types of association, morphologic, and physiologic adaptations of parasites, defensive mechanisms, immunity, and specificity. Selected examples from plants and animals are used to illustrate the general principles and life histories. Two lectures, two laboratories per week. Prerequisite: 302 a,b,c.
435–4 Ethology. A survey of animal interactions and the response of animals to environmental stimuli. Three lectures, one laboratory per week. Prerequisite: 302a.
441–3 Mammalian Physiology. Nervous and endocrine coordinating processes, sensory function, circulation, respiration, alimentation, and regulation of body fluids, with special reference to man. Three lecture hours per week. No graduate credit. Prerequisites: organic chemistry and 302d or GSA 310.
442–1 Mammalian Physiology Laboratory. Selected experiments with mammals including man. One three-hour laboratory per week. No graduate credit. Prerequisite: concurrent enrollment in 441.
444–4 Integrative Physiology. Mechanisms of response and integration with emphasis on the role of the nervous system. Three lectures, one laboratory per week. Prerequisites: 301a, 302a, and organic chemistry (or concurrent registration).
447–4 Topics in Plant Physiology. Photosynthesis, mineral nutrition of plants, water regime, growth and movement of plants. Two lectures, two laboratories per week. Prerequisites: 302c, Chemistry 111a,b,c.
455–4 Plant Anatomy. Developmental and comparative studies of seed plants including structure of vegetative and reproductive parts and embryology. Three lectures, one laboratory per week. Prerequisite: 302c.
458–5 Functional Morphology of Vertebrates. The phylogenetic approach to comparative form, function, and development of vertebrate organisms. Two lectures, three laboratories per week. Prerequisite: 302a.
470–4 Field Botany. Taxonomy, natural history, and distribution of local plants. Two lectures, two laboratories per week. Cost of field trips may be $10–$25 per student. Prerequisite: 302c.
480–4 Field Zoology. Taxonomy, natural history, and distribution of local animals. Two lectures, two laboratories per week. Cost of field trips may be $10–$25 per student. Prerequisite: 302a.

485–4 Ichthyology. Relationships, ecology, behavior, physiology, and anatomy of fishes. Field study of local fauna is stressed. Two lectures, two laboratories per week. Saturday field trips required. Prerequisite: 302a or consent of instructor.
486–4 Herpetology. A study of amphibians and reptiles, their evolution, relationships, morphology, and behavior. Two lectures, two laboratories per week. Saturday field trips required. Prerequisite: 302a,c or consent of instructor.
488–4 Mammalogy. Taxonomy, natural history, and evolution of animals. Two lectures, two laboratories per week. Prerequisite: 302a.
493–2 to 8 Research in Biology. No credit toward a secondary concentration in biology. Prerequisites: senior standing, consent of faculty.
497–2 to 8 Biology Field Studies. A trip of four to eight weeks to acquaint students with animals or plants in various environments and/or with methods of field study, collection, and preservation. Arrangements made in advance of term; travel costs borne by student. No credit toward a secondary concentration in biology. Prerequisite: consent of faculty.
504–9 (3,3,3) Instructional Innovation in Secondary School Biology. A laboratory-oriented workshop of group participation in varied approaches to experimentation and problem solving in the biological sciences.
506–4 Cellular Regulation. The effects of the physical and chemical environment on cellular processes and activities (e.g. on the cell growth and division, metabolism, ultrastructure, and biochemistry.) The molecular bases for the responses for the cell to changes in the environment are stressed. Four hours lecture per week. A term paper is required. Prerequisites: 301b, two quarters of organic chemistry.
511–4 Population Genetics. Genetic structure of populations, factors causing changes, and principles governing rate and direction of change. Prerequisite: 303a.
512–4 Cytogenetics. Correlation of cytology with genetics. Cell mechanics and nuclear division. Mitosis, meiosis, crossing over and mapping of chromosomes. Mutation, mitotic agents, effect of irradiation, polyploidy, structural abberations, polytene chromosomes. Synthesis of new species, comparative karyomorphology. Evolution and cytogenetics. Prerequisite: 303a.
521–4 Limnology. Principles exemplified by the lakes and streams of southern Illinois. Cost of field trips may be $10–$25 per student.
522–3 Zoogeography. Concepts and principles relating to patterns of animal distribution on a local, continental, and world-wide basis. Prerequisite: 303c or consent of instructor.
523–3 Plant Geography. Spatial relationships of plants both in the present and past. A description of present plant groupings and a study of the general principles regarding the causes of plant distribution. Prerequisite: 303c or geography or consent of instructor.
545–3 Physiology of Sense Organs. Structure and function of selected sense organs, including physiochemical processes in transducer action by receptors and handling of sensory messages. Prerequisite: 303d.
547–3 Mineral Nutrition of Plants. Mineral absorption, accumulation, and requirements of plants with special reference to the physical chemistry of cellular membranes. Prerequisite: 447.
553–4 Morphology of the Spermatophytes. A seminar on the current theories concerning the origin, evolution, and trends of specialization in seed plants. Prerequisite: 455.
580–4 Advanced Invertebrates. The nature and life of invertebrate animals with emphasis on comparative form, function, behavior, and occurrence. Prerequisite: 302a.
581–4 Helminthology. Identification, morphology, physiology, and life histories of parasitic worms. Prerequisite: 423.
590–0.4 Graduate Biology Seminar. Lectures presented by faculty, visiting investigators, and students. Taken on a pass or fail basis. May be repeated for credit.
591–1 to 4 Readings in Biology. Supervised readings in specialized areas. No credit toward a secondary concentration in biology. Prerequisite: consent of instructor.
593–1 to 4 Special Problems in Biology. Supervised investigation. Prerequisite: consent of instructor.
599–2 to 9 Research and Thesis.

Business Administration

440–4 Legal Environment of Business. The varied facets of the external and internal legal environments within which business firms operate. Further development of analytical skills is attained through the use of cases and readings which describe and analyze the legal framework supporting, facilitating, and guiding everyday business decisions. Common law, statutory law, and administrative law as they affect the business environment.

441–4 Business Policy. Development of a top-management view leading to the formulation of general policies to be followed by the organization. Determination of objectives, the development of plans for their achievement, organizing administrative personnel to carry them out, implementation of programs, measurement of results, and the reappraisal of objectives, plans, and action-patterns in the light of evolving situations. Prerequisites: 341, 440.

449–1 to 4 Independent Study in Business Administration. An investigation of topical areas in greater depth than regularly titled courses permit. Individual or small group readings and projects. Prerequisite: consent of instructor and faculty chairman.

526–4 Managerial Economics. A study of the economics of the firm. Emphasizes demand, costs, prices, and profits in developing a conceptual business-decision framework.

540–4 Concepts of Managerial Performance. Emphasizes the role of management in achieving efficient work organizations. Reviews the various approaches to management as a foundation of realistic understanding of the broad range of problems confronting managers. Case problems supplement text materials. Restricted to Master of Business Administration students.

541–4 Business and Its Legal Environment. The legal framework within which business operates. Social, political, and economic environmental influences brought to bear on a firm by law. Specific relationships of this government to business, resulting from the anti-trust laws, the regulatory commissions, and government ownership of productive facilities. Restricted to Master of Business Administration students.

543–4 The Administrator. A focus upon the changing issues faced by managers in their efforts to achieve better management of human resources. The point of view is that of the line manager rather than that of a personnel-staff specialist. The case method facilitates the search for sensitive understanding and operational guidelines; the goal is to develop leadership patterns conducive to a satisfying, as well as an efficient, organizational entity. Prerequisite: 540.

544–4 The Methodology of Business Research. Basic concepts and techniques appropriate to research for business; research as a basis for creative decision-making in diverse business situations. Formulation of hypotheses; development of appropriate models and methodology for testing of hypotheses; presentation of research results; evaluation of the research results of others. Assistance in designing individual and group research projects having relevance for later seminars. Should be taken at start of second year.

545–4 The Social Framework of Business. Critical examination of the role of business in modern society. Emphasis on the large corporation, the responsibility of its management, the relationship of the corporation to the individual, the professional role of the manager, and the efficient management of the firm's resources. Prerequisite: 541.

548–4 Seminar in Managerial Performance. Depth study of a limited range of current problems and developments in management development, compensation, management by objectives, task-team leadership, and sensitivity training. Emphasis on the planning and leadership roles of management. Selection of topics is guided by the interests of the students and instructor. Prerequisite: 543.

549–4 Corporate Policy Formulation and Administration. A comprehensive, integrative course, focusing on the development and implementation of corporate strategy. Students analyze and diagnose complex business situations, bringing together their prior work in all areas of graduate study. Written analyses of cases and a four-hour final examination provide opportunity for appraisal of student's overall comprehension. Prerequisite: final quarter standing.

559–4 Seminar in Marketing. Students select and defend, on an individual basis, problems in marketing theory, research, and policy. May be repeated once with consent of faculty.
593–4 Seminar in the Operational Aspects of the Firm. An examination of typical conceptual and pragmatic approaches to the organization and operation of business firms. Special attention to the socio-behavioral aspects of the managerial environment.

Business Education

403–4 Teaching Typewriting. The programming of activities in typewriting training, methods of instruction, skill-building principles and techniques, selection and preparation of practice materials, standards of achievement, and evaluation of pupil performance. Prerequisite: consent of instructor and faculty chairman.
404–4 Teaching Shorthand and Transcription. The programming of activities in shorthand and transcription training, methods of instruction, skill-building principles and techniques, selection and preparation of practice and homework materials, standards of achievement, and evaluation of pupil performance.
405–4 Teaching Basic Business Subjects. Instructional methods and materials for, and the evaluation of pupil progress in, such basic business subjects as general business, consumer education, economic geography, business law.
406–4 Teaching Office Practice. Instructional methods and materials for, and the evaluation of pupil performance in office practice.
408–4 Teaching Data Processing and Bookkeeping. Instructional methods and materials for, and the evaluation of pupil progress in data processing and bookkeeping. Prerequisite: consent of instructor and faculty chairman.
414–6 (3,3) Organization and Administration of Cooperative Vocational Business Education. (a) Philosophy and objectives of cooperative vocational programs, methods of selecting students and work stations, placing and supervising students on part-time jobs. (b) Preparation of instructional materials, job analysis, conducting related information classes, evaluating workers and work stations, advisory committees, public relations aspects of cooperative programs.
415–6 Supervised Business Experience and Related Study. Designed to prepare teachers and coordinators of in-school and cooperative vocational business education programs in accordance with the requirements of the Illinois State Plan for the Administration of Vocational Education. First week (15 hours) devoted to classroom study of the principles and problems of coordinating in-school and cooperative vocational business education programs; next five weeks (200 hours) devoted to supervised occupational experience; seventh week (15 hours) devoted to classroom analysis and evaluation of on-the-job experiences of the members of the class in relation to their future work as coordinators and vocational teachers. Each student applies for and obtains his own position with the assistance and approval of the instructor. While employed, each student looks for and analyzes relationships between his work experiences and the in-school or cooperative work experience program he will later conduct.
417–4 Application of Data Processing in Business Education. Acquaints business teachers with data processing applications in high school business classes. Emphasis on vocabulary development, unit record equipment, concepts of programming, and fundamentals of computer applications applicable to high school students. Approximately one-third of course in machine operations.
426–4 Office Management. The principles of management as applied to office problems. Emphasis on the role of the office in business management; office organization; physical facilities of the office; office services, procedures, standards, and controls; records management.
427–4 Records Administration. The requisites for records administration. The value of files, their creation, control, retention, and disposition. Applications to such records as medical, legal, educational.
428–4 Systems and Procedures. A problems approach to the office systems-procedures function in the modern business firm; seminar and laboratory work on improvement of systems and procedures, administrative information and paperwork engineering; theory of office-systems design; systems administration and work simplification. Prerequisite: 426 or consent of instructor.
500–4 Principles and Problems of Business Education. A study of the fundamentals of business education; its relation to business, to general and voca-

tional education, and to guidance programs; its history, current status, and trends; special emphasis on objectives and curriculum problems.
502–4 Research in Business Education. A study of research findings and techniques as exhibited in representative investigations in business education. Emphasis on reading and interpreting research, using research findings in solving instructional problems, and uncovering potential topics for future research.
503–4 Tests and Measurements in Business Education. The selection, construction, administration, and interpretation of tests and test scores in business education subjects. Principal emphasis on teacher-made tests, especially of the performance type, with secondary attention to published tests in the field.
505–2 to 16 Workshop in Business Education. Major issues in business teacher education. Ordinarily offered during one or two weeks of the summer session.
507–4 Teaching Data Processing. A consideration of problems inherent in the teaching of data processing in secondary and post-secondary schools. Evaluation of curricula, objectives, course content, evaluation, and teaching materials. Prerequisite: 417.
508–4 Administration and Supervision in Business Education. History and philosophy of administration and supervision in business education with consideration of problems arising at local, state, and national levels; and at secondary, college, and university levels. Supervisory problems include curriculum construction and evaluation, classroom supervision, promotional policies, selection of textbooks, purchase and maintenance of equipment, physical arrangements, and other areas according to need of students.
509–4 Improvement of Instruction in General (Basic) Business Subjects. Designed for the experienced high school teacher who is interested in the study of curriculum and teaching problems in basic business subjects. Includes teaching procedures, review of materials, formulation of tests, and evaluation. The organization of teaching units and projects is emphasized.
510–4 Improvement of Instruction in Secretarial Subjects. Designed for the experienced high school teacher who is interested in the study of curriculum and teaching problems in secretarial subjects. Includes teaching procedures, review of materials, formulation of tests, and evaluation.
530–4 Research Seminar in Business Education. Development of research project with guidance from professor and sharing of research experiences with fellow students. Prerequisite: 502.
590–2 to 5 Readings in Business Education. Supervised readings in selected subjects. Prerequisite: consent of instructor.
591–2 to 5 Individual Research in Business Education. Selection and investigation of a problem; use of relevant sources and techniques; collection, evaluation, and interpretation of data; and the writing of a report on the investigation. Prerequisite: consent of instructor.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Chemistry

411–4 Intermediate Inorganic Chemistry. Modern inorganic chemistry involving atomic structure, chemical bonds, complexes, and chelate structures; chemistry of familiar and less familiar elements. Four lecture hours per week. Prerequisite: 461b.
412–3 Inorganic Preparations. A study of several important inorganic syntheses. One lecture, six laboratory hours per week. Prerequisites: 235 and 305b or 341c.
432–8 (4,4) Instrumental Analytical Measurements. Theory and practice of instrumental analytical measurements, including spectrophotometric, electroanalytical, and chromatographic methods. Two lecture, six laboratory hours per week. May be taken in either sequence. Corequisite: 461b.
433–3 Intermediate Quantitative Analysis. A study of the analysis of complex materials, with emphasis on separations, functional group analysis, and instrumental applications. Two lecture, three laboratory hours per week. Prerequisites: 432a or b, 461c.
444–3 Organic Reactions. A review of fundamental principles and an introduction to advanced topics. Three lecture hours per week. Prerequisite: 341c.
446–4 Qualitative Organic Analysis. A systematic study of the separation and identification of organic compounds. Two lecture, six laboratory hours per week. Prerequisite: 305b or 341c, and 345b.

447–3 Quantitative Organic Chemistry. The determination of functional groups and elements commonly found in organic compounds by selected methods of analysis; illustration of general methods of procedure in the field of quantitative organic chemistry. One lecture, six laboratory hours per week.
451–6 (3,3) Biochemistry. (a) Carbohydrates, lipids, amino acids and proteins, nucleic acids and nucleo-proteins, enzymes. (b) Vitamins and coenzymes, metabolism of carbohydrates, lipids, amino acids, and proteins, energy metabolism, hormones. Must be taken in a,b sequence. Prerequisite: 235, 305b, or 341c.
455–2 (1,1) Experimental Methods in Biochemistry. (a) Some modern separation techniques. (b) Biochemical preparations, syntheses and methods of identification. Prerequisite: concurrent enrollment in 451a.
460–5 Physical Chemistry, Preprofessional. For secondary concentrations in chemistry and preprofessional students. Suggested for B.S. in Education degree. Traditional and biological aspects of physical chemistry without the requirement of calculus. Four lecture, three laboratory hours per week. Prerequisites: 235, 305b or 341c, 345b, and one year of physics with lab, or consent of instructor.
461–12 (4,4,4) Physical Chemistry. A fundamental course in physical chemistry. Three lecture, three laboratory hours per week. Must be taken in a,b,c sequence, and each is a prerequisite for the next course in the sequence. Prerequisites: 235 (concurrent), 341c, 12 hours of physics, and one year of calculus.
464–3 Intermediate Physical Chemistry. Intermediate between the first year of undergraduate physical chemistry and advanced physical chemistry. Gives a broad foundation in physical chemistry. Three lecture hours per week. Prerequisite: 461c.
490–2 Chemical Literature. A description of the various sources of chemical information and the techniques for carrying out literature searches. Two lecture hours per week. Prerequisites: 235; 305b or 341c, reading knowledge of German or consent of instructor.
496–2 to 6 Chemical Problems. Investigation of relatively simple problems under the direction of a staff member. Prerequisites: senior standing, concentration in chemistry with a 4.00 grade-point average, consent of chairman.
511a–3 Advanced Inorganic Chemistry. Theoretical and empirical treatment of chemical bonding and molecular structure. Prerequisite: 461c.
517–3 Laboratory Techniques in Inorganic Chemistry. Advanced techniques for the inorganic research chemist. Prerequisites: 412; 511a, consent of instructor.
519–2 to 30 (2 to 6 per quarter) Advanced Topics in Inorganic Chemistry. Selected topics such as kinetics of inorganic reactions, stereochemistry of inorganic systems, chemistry of coordination compounds, nonaqueous solvent systems, and others. Prerequisites: 511a, consent of instructor.
531–3 Theory of Quantitative Analysis. The phenomena utilized in analytical chemistry with emphasis on separation, organic reagents, and complex methods. Lecture. Prerequisite: 433.
539–2 to 30 (2 to 6 per quarter) Advanced Topics in Analytical Chemistry. Selected topics such as microanalytical chemistry, absorption spectroscopy, and electroanalytical chemistry. Prerequisite: 432.
541–3 Advanced Organic Chemistry. An advanced course covering covalent bonding, structure, stereochemistry, reactions, reaction mechanisms, substituent effects, correlation of physical and chemical properties, and physical methods in organic chemistry. Lecture. Prerequisite: 444.
547–3 to 6 Advanced Laboratory Preparations in Organic Chemistry. Prerequisites: 446, consent of instructor.
549–2 to 30 (2 to 6 per quarter) Advanced Topics in Organic Chemistry. Specialized topics in organic chemistry. The topic to be covered is announced by the department. Prerequisite: 543.
561–3 Chemical Thermodynamics. Basic methods and theories as applied to chemical problems. Lecture. Prerequisites: 461c.
562–3 Atomic and Molecular Structure. A survey of basic principles in atomic spectroscopy, quantum chemistry, and statistical thermodynamics. Lecture. Prerequisite: 561.
569–2 to 30 (2 to 6 per quarter) Advanced Topics in Physical Chemistry. Colloids and macromolecules, quantum chemistry of atoms, diatomic molecules or polyatomic molecules, statistical mechanics and others. Prerequisite: 561.

575–1 to 3 Graduate Seminar. Advanced level talks presented and discussed by graduate students. Required for all graduate students.
596–1 to 2 Advanced Chemical Problems. Individual study of a specific problem. Prerequisite: consent of faculty chairman.
597–3 to 15 Research and Thesis. Prerequisite: consent of faculty chairman.

Counselor Education

410–4 (2,2) Dynamics of Campus Leadership. Organized presentation of accurate information about the University's historical development and plans for future growth, organizational structure, philosophy, administrative policies, and goals with emphasis on the role of student groups in the educational community. (a) Elected or potential student leaders. (b) Resident assistants. Prerequisite: consent of instructor.
420–4 Educational Statistics. The statistics needed by teachers for classroom use, the reading of educational literature, and informal educational research. Includes methods of organizing and presenting data, describing group performance, describing individual performance, model distributions, measure of relationship, measures of reliability, and tests of significance. Prerequisite: 305.
422–4 Educational Measurements I. Study of the philosophy and techniques of measurement. Special attention to the construction and use of teacher-made tests and basic concepts related to standardized tests. Prerequisite: 305.
426–4 Individual Inventory. Principles and procedures for studying individual pupils and their problems for guidance purposes. Emphasis on interview, observation, ratings, case study, cumulative record, etc.
483–6 Community Programs for the Prevention of Juvenile Delinquency. Analysis of delinquency prevention in community programs administered by the public schools, social welfare, governmental agencies. A study of the various categories of juvenile delinquency is applied to a critique of existing programs and to the development of experimental programs. The roles of professional workers pertinent to such programs are delineated with special reference to the public school administration, counselor, and social workers, the court, probation officers, and police. Prerequisite: consent of instructor.
485–4 to 9 Workshop in Educational Utilization of Community Resources.
501–2 to 8 Special Research Problems. For majors in Counselor Education. Formulating, investigating, and reporting on a problem in the area of guidance. Prerequisites: advanced standing, consent of instructor.
510–4 College Student Personnel Services. An overview of the student personnel program in higher education for the beginning graduate student. Various types of organizational structures in higher education. Description and discussion of the functions of college student personnel programs, with emphasis on the organizational relationships of the various functions.
511–4 Educational Implications of Learning Theories. Survey of the major theories of learning. Emphasizes the implications of these theories for classroom practice. Prerequisite: advanced standing.
515–4 Psychological Aspects of Education. Designed to survey the applications of psychology to educational settings. Prerequisite: advanced standing.
520–8 (4,4) Educational Statistics and Experimental Design. (a) Statistical methods needed for educational research. Includes reliability of statistics tests of significance, non-parametrics, correlation analysis, and test selection. (b) Systems of organizing and analyzing data so that maximum information can be obtained. Includes analysis of variance, factorial design, square designs, mixed designs, tests of homogeneity, analysis of covariance, etc. Must be taken in a,b sequence. Prerequisite: 420.
522–4 Educational Measurements II. Study of standardized tests and other measuring devices to reveal individual and group characteristics. Emphasizes application and interpretation for counseling, education, and research purposes. Prerequisites: 420, 422.
525–4 School Behavior Problems and Their Prevention. A survey of the approaches to the study of personality-development and socialization of the school child. Methods used in the correction of behavior problems are considered. Prerequisite: consent of instructor.
526–4 Techniques in Individual Guidance. Each student employs psychometric procedures, makes observations, and holds interviews with a pupil, his parents, teachers, and others. Prerequisite: consent of instructor.

528–4 **Advanced Guidance of the Individual.** A continuation of 526. Techniques and the methods of treatment applicable to a particular case. Problems for consideration: educational difficulties, physical disorders, and the ways in which these are related to behavior of school children. Prerequisite: 526.

535–4 **Introduction to Individual Measurement.** Survey of theories and practices in the individual assessment of human behavioral characteristics, to develop understanding and appreciation of these concepts for use in the counseling relationship. Prerequisite: 522.

536–12 (4,4,4) **Appraisal of Intelligence.** (a) Child. Individual instruction in administering the Revised Stanford-Binet Tests. Instruction designed to assist student to interpret the test results. Additional individual instruments introduced. Emphasis on early childhood testing. Prerequisite: 535. (b) Child and Adult. Individual instruction in administration and interpretation of the Wechsler tests. Instruction designed to assist student in report writing. Emphasis from early childhood to adulthood. Prerequisite: 535. (c) Preschool. Individual instruction in administration of preschool tests. Age range of infants through six years. Prerequisites: 535, 536a.

537–4 **Counseling Theory and Practice I.** Systematic study of the major approaches to counseling. Observation and practice utilized to supplement didactic discussion. Prerequisite: 542.

538–4 **Counseling Theory and Practice II.** Systematic study of major theories of counseling as applied to school situations. Supervised experience in role-playing or laboratory experience utilizing these approaches. Prerequisite: 537.

541–4 **Occupational Information and Guidance.** Designed for school counselors, industrial supervisors, and teachers to give an orientation to and experience with occupational information and vocational adjustment. Prerequisite: 542.

542–4 **Basic Principles of Guidance.** Introductory course on student personnel services. Survey of philosophy, principles, and organization of guidance services. Prerequisite: 305.

543–4 **Guidance Through Groups.** Study of the methods, techniques, and materials for the organization and utilization of groups for guidance purposes.

545–8 to 16 **Seminar.** (a) Problems in guidance. A seminar designed to analyze current problems in guidance. Prerequisite: advanced standing. (b) Learning and communications. Students examine theory and research related to communication by reviewing literature, designing studies, and conducting research projects. Prerequisite: consent of instructor. (f) Pupil adjustment. Analyses various concepts of adjustment and instruction. Analyses research in classroom learning and implications for the classroom. Included are practice and review, transfer of training, retention and forgetting, and motivation. Prerequisite 511. (j) Organization and administration. Analysis of principles, procedures, and plans necessary for initiating, developing, and appraising a school guidance program. Prerequisite: 537.

562–8 (4,4) **Human Development in Education.** Theories and research evidence regarding child development and behavior are investigated. These considerations focus upon implications for research and educational practices. (a) Childhood. Prerequisite: advanced standing. (b) Adolescence. Must be taken in a,b sequence.

575c–1 to 12 **Practicum in Secondary Guidance.** Supervised experience in guidance functions. Includes counseling with secondary school pupils, conducting parent interviews, consulting with teachers, and the collection and dissemination of information. Prerequisite: consent of practicum coordinator.

576–4 **Practicum in School Personnel Work.** Laboratory research course for advanced majors. Students to assist with testing programs, keeping records, counseling students. Research projects to accompany practical experience. Prerequisites: advanced standing, consent of instructor.

Economics

599–1 to 4 **Independent Study in Economics.** An investigation of topical areas of greater depth than regularly titled courses permit. Individual or small group readings and projects. Prerequisites: 340 or 441, consent of instructor and faculty chairman.

631–4 **Collective Bargaining and Dispute Settlement.**

646–4 **Money and Banking II.** Emphasis upon the Federal Reserve System and other banking systems. Prerequisite: 300.

418–4 Economic History of Europe.
422–4 Introduction to Economic Development. The preconditions, processes, and problems involved in economic development. The theory and policy relevant to development, with emphasis on the "developing" or "emerging" economies. Prerequisites: 200, 201.
429–4 International Economics. Intensive treatment of the principles of international economics with special emphasis on the classical and modern theories of international trade. Income effects. Balance of payments adjustments. Prerequisites: 200, 201.
430–4 Regional Economy. Regional economic development, including theoretical and practical problems in designing and implementing development programs. Prerequisite: 422 or consent of instructor.
431–3 Public Finance II. State and local. Prerequisite: 330 or consent of instructor.
432–3 Fiscal Policy of the United States. Countercyclical, secular, and emergency use of government expenditures, debt, and taxes. Prerequisite: 210 or consent of instructor.
433–4 An Introduction to Urban Economics. The economic causes of urban growth and the economic-social problems which rapid unregulated growth creates. The growth of cities including a study of location theory, the effects of agglomeration, the structure of the economic base, and regional income accounting. A solution to the problems of cities including a designation of goals to eliminate the misuse of resources and an examination of possible techniques to attain these goals. Prerequisites: 200, 201.
436–3 Government and Labor. A study of labor relations and legislation considering both constitutional and economic aspects. Prerequisites: 200, 201.
440–4 Intermediate Micro Theory. A more intensive treatment of price theory. Prerequisite: 201.
441–4 Intermediate Macro Theory. Basic analytical concepts of the modern theory of aggregative income determination. Prerequisite: 200.
450–6 (3,3) History of Economic Thought. A two-term sequence covering the development of economic theory. **(a)** Ancients to 1850; **(b)** 1850 to present. Must be taken in a,b sequence. Prerequisites: 200, 201.
465–4 Mathematical Economics I. A systematic survey of mathematical economic theory. Conditions of static equilibrium (including stability conditions), dynamic models using difference equations, and linear production models (input-output analysis and activity analysis (linear programming). Prerequisites: 440, consent of instructor.
467–4 Econometrics I. Introduction to resource allocation under uncertainty. Probabilistic economic models, theory of games and economic choices, and stochastic economic processes. Prerequisite: consent of instructor.
472–4 Dynamic Economics: Fluctuations and Growth. A study of the causal factors which produce fluctuations in economic activity and/or growth. An identification of the factors which affect the length of the cycle, its amplitude and the stability or instability of equilibrium. An examination of the theories and issues of economic growth. Prerequisite: 441 or consent of instructor.
473–4 Business Enterprise and Public Policy. Some of the major problems in social control of business arising out of the operation of business in modern society; covers types of control, necessity, and effects of controls. Prerequisite: senior standing.
481–3 Comparative Economic Systems. Capitalism, socialism, fascism, and other forms of the economy. Prerequisites: 200, 201.
501–1 to 5 Economic Readings. Contemporary books and periodicals in economics. Prerequisite: consent of faculty chairman.
504–4 Economic Analysis. Determination of prices, output, payments to labor, land, and capital under a market system. Theory of economic decision-making by the business firm. Introduction to macroeconomics. Restricted to Master of Business Administration students.
505–4 Theory of the Firm. Price determination under competitive conditions and under other market structures. Includes demand analysis, business forecasting, returns to factors of production, and evaluation of capital outlay. Prerequisite: 504.
512–4 Labor Economics. Economic principles involved in the employment relationship. Such topics as wage theory, the labor market, employment and unemployment, and the economic effect of collective bargaining. Prerequisite: 310, or 411, or consent of instructor.

516–4 Econometrics II. Two variable linear models. Extensions of general equilibrium model. Single versus simultaneous equation models. Specification and prediction problems. Prerequisite: 467 or consent of instructor.

517–4 Monetary Theory and Policy. Current monetary theory and policy emphasized. Federal Reserve policy is analyzed. Necessity for coordination of monetary policy with fiscal policy and debt management operations is discussed. Prerequisites: 315 and 441, or consent of instructor.

519–4 Economic Growth. Intensive examination of the problems (past and present) of economic development faced by nations everywhere. Attention to the alternative solutions which have been, or are being, attempted. Prerequisite: 317, or 418, or consent of instructor.

520–4 Economic Development Theory and Policy. Basic theories of economic development, including laissez-faire, balanced growth, unbalanced growth. Role of government and planning. Prerequisite: 440, 441, or consent of instructor.

530–4 International Economics and Finance. The advanced theory of international trade and finance. Significant literature in international theory. The more advanced tools of analysis. Prerequisite: 429 or consent of instructor.

533–4 Public Finance Theory and Practice. Historical development of public finance theories with analysis of their policy implications. Prerequisite: 330 or consent of instructor.

541–4 National Income Theory. Keynesian and post-Keynesian developments in national income theory. Empirical research concerned with characteristics and magnitudes of important national income concepts, such as the consumption function. Recent American policies and problems bearing on national income fluctuations. Prerequisite: 441 or consent of instructor.

542–4 Price Theory. Designed to develop skills in the use of the analytical tools, including the basic mathematical techniques, used in price theory. Prerequisite: 440 or consent of instructor.

543–4 Seminar in Economic Policy. A consideration of departures in the American economy from the principle of resource allocation by the price system, and an attempt to develop principles of economic policy which could serve as guides in efforts to raise living standards and promote economic growth. Prerequisites: 440 and 441 or consent of instructor.

561–4 Advanced Topics in Economic History. Competing theories of economic history, historical topics of special interest, and individual student research in particular fields of interest. Prerequisite: consent of instructor.

566–4 Mathematical Economics II. Linear programming. Input-output analysis and general equilibrium models. Prerequisite: 440 or 465, or consent of instructor.

582–4 Economic Behavior. A theoretical and empirical study of the behavioral aspects of economics, including the behavior of firms, households, and government. Draws upon the recent literature of economics and also on frontier areas, upon directly relevant concepts and findings of related behavioral sciences. Prerequisite: 400 or equivalent or consent of instructor.

591–4 Seminar in Analytical Approaches to Economic Decisions. The applicability of theoretical and empirical techniques of economic analysis to key business decisions. Examination of the objectives and constraints affecting the determination of a firm's output, prices, profits, and other goals. Problems of adjusting a firm's policies to its macroeconomic environment. Introduction to relevant mathematical and statistical tools, emphasizing deterministic and non-deterministic models.

599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Educational Administration and Supervision

520–4 Legal Basis of American Education. Particular emphasis is placed on common law principles.

531–4 History of Education in the United States. A historical study of the problems of American education which have relevance to contemporary education.

532–4 Public Opinion, Propaganda, and Education. Analysis and classification of propaganda. Designed to show how public opinion is formed by a use of current materials from the different channels of communication. Differences between propaganda and indoctrination.

534–4 Administrator's Workshop. A special program for the consideration of

administrative problems pertinent to superintendents, high school principals, and elementary school principals.

456–4 School Supervision. The function of the principal or supervisor in the improvement of instruction. Some activities, methods, and devices for improving the effectiveness of teaching.

480–4 Backgrounds of Urban Education. (See also Elementary Education 480 and Secondary Education 480.) Social, economic, and demographic factors as they impinge upon programs in urban schools. Prerequisite: consent of instructor.

490–4 to 12 International Field Studies in Comparative Education. Selected aspects of national systems of education examined in their social matrix. By means of direct observations, conferences, lectures, and seminars, the advanced education student is helped to gain a mature perspective on American education through comparison and contrast with educational systems of other societies critically to evaluate American educational patterns in light of observed alternatives, and to develop fresh curricular approaches in the area of international understandings through an examination of other cultural patterns. With permission of instructor this course may be repeated with credit.

500–4 Research Methods. Introduction to educational research with practical training in research writing techniques and evaluation in education.

501–4 Seminar in Educational Administration. The interdisciplinary approach to the study of the theory of educational administration. Open to students in approved sixth-year and doctoral programs only.

502–4 Seminar in Comparative Education. Educational ideas and practices of various countries of the world, both Eastern and Western, and their impact upon our culture and education.

503–4 Seminar in Philosophy of Education. An interpretation of modern educational problems and trends in the light of basic philosophical viewpoints. Excerpts from leading writings are used. Prerequisite: 554 or equivalent.

504–4 Seminar in History of European Education. Survey and interpretation of education in Europe from the Greek era to the present. Stresses relationship of European to American education.

506–4 Seminar: Curriculum in Relation to American Culture. The effect of historical movements on curriculum in our nation at all ages and grade levels continued on a more intensive basis as applied to present-day curricular patterns. Prerequisite: 460 or consent of instructor.

511–12 (4,4,4) Internship Practicum. The study of theory and practice in school administration pursued simultaneously by the student in cooperation with a public school and the faculty. Prerequisite: consent of the advisory committee.

520–4 Illinois School Law. Study of the legal aspects of Illinois public education with principal emphasis on statutory law and its interpretation by the courts. Prerequisite: 420.

524–4 School Administration. Designed primarily for those who look forward to positions as supervisors, principals, or superintendents.

525–1 to 4 Personnel Administration. Theoretical bases and trends of personnel administration in school organizational settings.

533–4 School Buildings. Various phases of physical plant design and maintenance of concern to the school administrator.

534a–4 School Finance. A study of the principles and issues of public school finance. Revenues, expenditures, indebtedness, and fiscal controls.

534b–4 School Business Administration. Principles and practices governing management of business affairs of a public school system.

551–4 Community Junior College Curriculum. Expanding curricula of the community junior college. College parallel, occupational technical, general developmental, and adult and community service programs critically analyzed. Investigation of techniques of curriculum development that implement desirable program changes. Prerequisite: 565 or consent of instructor.

553–2 to 12 Practicum in Urban Education. (Same as Secondary Education 553.) Training in professional practice and inquiry in urban classrooms. Systematic investigations of educational problems characteristic of inner city schools. Intensive supervision provided by University and school staff. Demonstration of competence in designing and implementing research strategies, in analyzing and interpreting data, and in applying findings to teaching strategies. May complete practicum while serving as interns or

npaid assistants. Appointments contingent upon admission to the urban edu-ation program and upon approval of the candidate by both the school and the Jniversity.

54–4 Contrasting Philosophies of Education. Deals both historically and con-emporaneously with the ideologies which have developed from different con-epts of education. Prerequisite: 355 or Philosophy 355 or equivalent.

56–4 Seminar in Educational Supervision. Special research problems in super-ision for advanced graduate students.

60–4 Curriculum. Modern practices and procedures in curriculum develop-nent, with attention to the professional, social, economic, and other major actors, in curriculum planning.

63–4 Workshop in School Public Relations. Designed to meet the needs of eachers, supervisors, and administrators, in the area of public relations. Pre-equisite: consent of instructor.

65–4 The Community Junior College. Survey of the community junior col-ge movement. History, philosophy, objectives, and expansion of this unique merican educational phenomenon. Special attention given to these factors n the developing social scene that significantly influence the character of ommunity junior colleges.

75–2 to 4 Individual Research. Selection, investigation, and writing of a re-earch assignment under the personal supervision of a graduate faculty mem-er in one of the following areas: **(a)** curriculum, **(b)** supervision, **(c)** build-ngs, **(d)** finance, **(e)** school law, **(f)** comparative education, **(g)** history of ducation, **(h)** philosophy of education, **(j)** administration, **(k)** elementary ducation. Prerequisites: 500, approval of adviser, consent of instructor.

80–4 Research Seminar in Urban Education. (Same as Elementary Educa-on 580.) Investigations in problems of teaching strategies and learning in ner city classrooms. Inquiries include review of existing relevant research s well as the design and testing of new research methodologies. Prerequisites: st half of master's program or beyond, consent of instructor.

96–5 to 9 Independent Investigation. Field study required of each student orking for the Sixth-Year Specialist's Certificate.

97–1 to 3, 598–1 to 3, 599–1 to 3. Thesis. Minimum of 5 hours to be counted ward the master's degree.

Elementary Education

3–4 Children's Literature. Emphasizes types of literature, analysis of literary alities, selection and presentation of literature for children. Not for stu-nts who have had English 213. Prerequisite: Counselor Education 305.

5–2 to 4 Improvement of Instruction in Arithmetic in the Elementary School. ems to be taught, the grade placement of content, newer instructional prac-es and materials of instruction, and means of evaluating achievement. Pre-quisites: 314, GSD 112.

3–4 Workshop in Elementary Education. Meets needs of in-service teachers such areas as curriculum adjustment, remedial teaching, child development, d early childhood education.

7–4 Problems in Reading. Practices and trends in the teaching of reading; aterials of instruction in reading, particularly remedial materials; techniques d materials for prevention of reading difficulties; diagnosis and remediation reading difficulties. Prerequisites: 337, senior standing. Not open to students o have had 505.

2–4 Science for the Eelementary Teacher. Study of content and methods elementary school science.

0–3 Workshop in Sex Education for Elementary Teachers. (Same as alth Education 470.) Designed to encourage elementary school teachers integrate sex education concepts into their teaching program. Current eories and knowledge concerning the psychosocial aspects of the matura-n process are related to the content used for teaching pupils at various ade levels. Specialists in psychology, public health, and social welfare offer multi-discipline approach to help teachers plan a program based upon the aracteristics and needs of pupils.

0–4 Backgrounds of Urban Education. (See also Educational Administra-n 480 and Secondary Education 480.)

5–4 Improvement of Reading Instruction. (Same as Secondary Education

505.) First course in the reading sequence. Survey of reading problems, aspects of the reading process, modern practices in teaching reading.

507–2 to 4 Readings in Reading. Independent reading; acquaintanceship with the literature and research in reading. Conference periods. Prerequisites: 505, consent of instructor.

509–4 to 8 Practicum in Reading. For advanced student. Teaching demonstrations and evaluations. Each student works with a group of reading disability cases.

513–4 Materials and Methods for the Assessment of the Disabled Reader. A general survey of the causes of reading disabilities. The development of competencies in the administration and evaluation of materials and methods for use with the disabled reader. Prerequisite: 505.

514–4 Organization and Administration of Reading Programs. For reading specialists, principals, supervisors, consultants. Recent trends in elementary and high school reading programs, providing reading instruction for total school population, materials and equipment, in-service training, role of the reading specialists. Problems of class members are studied and discussed. Prerequisite: 561.

515–4 Special Problems in the Teaching of Arithmetic in the Elementary School. A seminar course which covers important problems in arithmetic in the elementary school. Variable content. Prerequisite: 415 or consent of instructor.

518–2 to 4 Supervision of Student Teachers. The function of the supervisor teacher in the student teacher situation. Particular attention to the problem of student teaching in the public schools. Designed for present and prospective teachers who wish to be more effective in dealing with student teachers.

521–12 (4,4,4,) Diagnosis and Correction of Reading Disabilities. Causes of reading difficulties; observation and interview procedures; standardized tests instruments, and informal inventories; analysis techniques; experiences in preparing materials for corrective purposes. Each student diagnoses and treats a reading disability case under supervision. Prerequisites: 505, or concurrent registration with 505, and teaching experience.

541–4 Problems in Elementary School Science. Emphasis upon identifying and planning for the solution of problems related to the science curriculum and problems in the classroom concerning teaching and learning.

542–4 Language Arts in the Elementary School. The practical bearing of investigation and theory on the improvement of current practices in the teaching of the language arts other than reading. Attention given to evaluation of teaching materials in these areas.

543–4 Teaching the Social Studies in the Elementary School. Organization of material for teaching purposes, techniques of classroom presentation, bibliographies or materials, use of audio and visual aids to instruction, and techniques for evaluating student progress. Readings, lectures, and discussions related to required teaching experience.

553–2 to 12 Practicum in Urban Education. (See Educational Administration 553.)

557–4 The Elementary Principalship. Designed to meet many of the particular needs of persons interested in qualifying for appointments as elementary school principals. Other than the administrative responsibilities of the elementary principal, such topics as the grouping of pupils, the elementary school program, and personnel area studied.

559–4 Workshop in Instructional Leadership in Elementary Education.

561–4 The Elementary School Curriculum. A critical study of the reorganization, construction, and administration of the elementary school curriculum and the installation, adaptation, and administration of the revised curriculum.

567–12 (4,4,4) Teaching Competencies and Their Application. Individualized and flexible group study of teaching behavior in competency centers. Skills are developed, applied, and tested in simulated or field settings.

575–2 to 4 Individual Research. The selection, investigation, and writing of research topic, under the personal supervision of a member of the department graduate staff, in one of the following areas: **(a)** curriculum, **(b)** supervision **(c)** language arts, **(d)** science, **(e)** reading, **(f)** social studies, **(g)** problems elementary education, **(h)** arithmetic, **(j)** problems in kindergarten-primary **(k)** elementary education administration and supervision.

580–4 Research Seminar in Urban Education. (See Educational Administration 580.)

596–5 to 9 Independent Investigation. Field study required of each student working for the Sixth-Year Specialist's Certificate. The work should be done in the setting of a school system where the student is employed or where full cooperation is extended. The study involves selecting of the problem, survey of pertinent literature, recording of results, and appropriate interpretations and summarizations.

597–1 to 3; 598–1 to 3; 599–1 to 3 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Engineering

305–5 (4,1) Generalized Radiation. (a) Theory of electromagnetic and mechanical radiation. Analysis of wave motion, properties of progressive waves, and boundary conditions. Examples taken from radiation in fluids and elastic media, and from electromagnetic radiation. (b) Laboratory. Prerequisite: Physics 305a,b.

310–8 (4,4) Electron Devices. Study of active networks utilizing transistors and tubes from both analytic and synthetic points of view. Audio, video, operational, power amplifiers; LC, RC, and relaxation oscillators; power supplies; small-signal, large-signal, switching; wave shaping; analog and digital computing circuits. Prerequisites: 200, 201, 310, and concurrent enrollment in 311.

311–2 (1,1) Electron Devices Laboratory. Experiments illustrate the analytic material in 410 and provide experience in synthesizing active circuits. Prerequisites: 200, 201, 310, concurrent enrollment in 410.

320–6 Transport Phenomena. Principles and mechanism of energy, mass, and momentum transport. (a) Molecular motion, laminar flow of a continuum, and transport in solids. (b) Turbulent flow, interphase transport, radiative transfer, and macroscopic balances of mass, energy, and momentum. Laboratory projects are scheduled. Prerequisites: 300a, 311.

321–1 Fluid Dynamics Laboratory. Laboratory experiments and projects to study the flow of fluids in free flow, conduits, and porous media. Dynamic similitude and basic concepts of laminar flow, boundary layers, turbulence, and energy dissipation. Prerequisite: concurrent enrollment in 420.

323–3 Hybrid Computation. The simultaneous use of the analog and the digital computer for the solution of engineering problems. Scaling of problems. Block diagrams and logic are stressed. Linear and nonlinear differential equations. Simulation as well as iterative analog computation are covered. Prerequisite: 322 or Mathematics 225.

340–8 (4,4) Structural Analysis and Design III, IV. (a) Design of members in tension and in compression, built-up flexural members; study of structural connections. Laboratory. (b) Design project under supervision. Laboratory. Prerequisite: 340.

342–4 Concrete Structures. Consideration of the mechanics of reinforced and prestressed concrete structural elements with emphasis on ultimate strength and time-dependent behavior. Systematic procedures for member checking and member design, with emphasis on design criteria. Detailing, formwork design, and construction procedures for in situ and precast reinforced and prestressed concrete. Prerequisite: 440.

343–6 (3,3) Engineering Design. Principles of engineering design. Individual laboratory projects of a research design or development nature to study systems simulation of instrumentation are selected by the student. Prerequisite: 340.

360–8 (4,4) Engineering Analysis for Decision Making. (a) Introduction to fundamental concepts and theorems of engineering analysis with emphasis on the theory of linear, dynamic, and integer programming. Network analysis, inventory theory, simplex and revised simplex method, and dual theorem. Prerequisites: Mathematics 252b, 361 or consent of instructor. (b) Introduction to advanced linear programming, nonlinear, probabilistic, and stochastic programming. Prerequisites: 370, 460a, or consent of instructor.

365–4 Automatic Control Theory. Principles of feedback control of linear systems, using Nyquist, Bode, and root-locus methods; stability criteria; engineering examples, demonstrations, laboratory exercises. Prerequisites: 260c, 260b, Mathematics 305a.

370–12 (4,4,4) Geodesy. (a) Geometry of the ellipsoid; geodetic systems;

geodetic curves; and computations of coordinates, distances, and azimuths. Prerequisite: Mathematics 252b. (b) Astrogeodetic methods; potential theory; Laplace and Poisson equations; spherical harmonics; and gravity potential. Prerequisite: Mathematics 305b. (c) Reductions of gravity; introduction to satellite geodesy; and world geodetic systems.

472–3 Digital Computers in Research. Basic foundations used in operations research. An intensive study in the use of digital computers as related to topics such as probability and statistics, matrices, game theory, Monte Carlo techniques, distribution and scheduling problems, and simulation. Prerequisite: Mathematics 225.

475–3 Transportation Engineering. Fundamentals of transportation system planning, analysis, design, and development. Selected topics in highway, air, rail, and sea transport including system simulations, network flow, optimization techniques, traffic flow theory, and economic analysis of transportation systems. Prerequisite: Mathematics 305a.

476–3 Highway Planning and Design. Study of the development and application of concepts of modern highway planning and design for rural and urban transportation systems. Prerequisite: 475.

477–3 Construction Engineering. Application of engineering principles to modern methods of construction; office and field procedures; construction planning including elements of critical path scheduling, linear programming and computer methods for civil engineering, design, and simulation. Prerequisite: Mathematics 305a.

480–8 (4,4) Urban Systems Engineering. (a) Methods of systems analysis and mathematical modeling of complex civil engineering projects in urban areas, such as transportation networks, refuse disposal, or water supplies. (b) Techniques of computer simulation of problems, or projects, of urban areas with study of analysis and design of typical modern urban systems. Prerequisites: Mathematics 305a, consent of instructor.

485–4 Communication Theory. Frequency and time domain, discrete and continuous spectra, sampling theory, amplitude and frequency modulation, random signal theory, ergodic processes, autocorrelation functions, white noise, networks with random inputs, signal-to-noise ratio, equivalent-noise bandwidth. Laboratory demonstrations and exercises. Prerequisite: 410a.

490–4 Microwave Theory and Techniques. Study of transmission line theory, the Smith chart, scattering parameters, rectangular waveguides, cylindrical waveguides, cavity resonators, passive microwave devices, techniques of impedance matching, microwave ferrite devices, microwave tubes, and microwave solid-state devices. Laboratory demonstrations and exercises. Prerequisites: 410a, Physics 305.

523–3 Digital Simulation Techniques. Review of probability, generation of pseudo-random numbers, the Monte Carlo technique, sampling, variance reduction techniques, conditional Monte Carlo, model generation, simulation of discrete systems, simulation of continuous systems, selected simulations from business, electronics, and competitive problems. Prerequisite: 472.

524–6 (3,3) Linear and Non-Linear Programming. Origin of linear programming problems; properties of solutions; simplex and other methods of computation; duality and its interpretation; capacitated flow problems; applications in industry. Non-linear programming; Lagrange multipliers; discrete programming. Prerequisite: bachelor's degree in mathematics, natural science, or engineering.

525–3 Analog and Digital Methods. A comparative study of the types of problems handled most successfully by each of the two classes of computers to facilitate intelligent decisions as to what combination of machines are required in a given situation. Prerequisite: bachelor's degree in mathematics, natural science, or engineering.

526–3 Simulation and Data Processing. The use of digital and analog computers as simulators of industrial processes. Construction of flow charts, fixed time increments, and time status register methods of organization. Prerequisite: 525.

531–8 (4,4) Operations Analysis and Synthesis. Mathematical bases for decisions and programming in industry; models, methods, and objectives of systems engineering; specific methods and problems; emphasis on practical validity and use of empirical methods. Problem solving in operations research, including research-type reports by students. Prerequisite: bachelor's degree in mathematics, natural science, or engineering.

533–3 Program Evaluation and Review Technique. The use of operations analysis and synthesis to obtain optimum decision making in engineering programs of design and development. Prerequisite: bachelor's degree in mathematics, natural science, or engineering.

550–3 to 6 Topics in Engineering. A selected topic of special interest; the title includes the name of the topic (e.g. "Topics in Engineering: Urban Systems"). Prerequisite: consent of instructor.

560–8 (4,4) Automatic Control Theory. Principles of feedback control applied to linear, lumped parameter systems; use of Nyquist, Bode, root-locus, phase-plane analysis; stability criteria. Emphasis on systems aspects; use of theory in automated industrial processes and instrumentation.

590–2 to 4 Readings in Engineering Mathematics. Selected topics in applied mathematics. Emphasis upon setting up and solving differential, difference, and integral equations for problems of practical significance in engineering design and systems analysis.

English

400–4 Introduction to English Linguistics. An introduction to the methods of descriptive linguistics as applied to English: the phonemics, morphemics, and syntax of English. Recommended for those preparing to teach English.

403–4 History of the English Language. A survey of the development of the language from Indo-European to modern English with special emphasis on Middle and Early Modern English changes.

404–12 (4,4,4) Middle English Literature. **(a)** Middle English literature excluding Chaucer; **(b)** Chaucer: early poems and **Troilus**; **(c)** Chaucer: **Canterbury Tales.** May be taken separately.

405–8 (4,4) Descriptive Linguistics. **(a)** Phonetics and phonemics, an analysis of language structure from phone to phoneme; **(b)** morphology and syntax, an analysis of language structure from morph to sentence. May be taken separately. Prerequisite: consent of instructor.

412–16 (4,4,4,4) English Nondramatic Literature. **(a)** 16th century, **(b)** 17th century, **(c)** The Augustan Age, 1660–1744, **(d)** The Age of Johnson, 1744–1798. May be taken separately.

420–8 (4,4) American Poetry. **(a)** Trends in American poetry to 1900 with a critical analysis of the achievement of the important poets, **(b)** the important poets since 1900. May be taken separately. Prerequisite: 309a or 309b.

421–16 (4,4,4,4) English Poetry. **(a)** Early Romantics: major emphasis on general background and on Blake, Coleridge, and Wordsworth; **(b)** later Romantics: emphasis on Byron, Shelley, and Keats, the minor figures; **(c)** Victorian poets: Tennyson, Browning, Arnold, and other poets of England, 1830–1900; **(d)** modern British poets. May be taken separately.

431–12 (4,4,4) Major American Writers. Significant writers of fiction and nonfictional prose from the Puritans to the 20th century: **(a)** 1620–1800, **(b)** 1800–1865, **(c)** 1865–1915. May be taken separately.

438–4 Intellectual Backgrounds of American Literature. The relationship of basic ideas in America to American literature. Prerequisite: 309a or 309b.

441–4 The Eighteenth Century Essay.

442–4 Romantic Prose. Fiction of Austen Scott, Mary Shelley, Peacock, the Gothic novelists; prose of Lamb, Landor, Hazlitt, DeQuincey; criticism, journals, and letters.

443–4 Victorian Prose. The chief writers of nonfictional prose from the late Romantics to 1880. Prerequisite: 302c.

447–4 American Humor and Satire. A consideration of the writers and forms of 19th and 20th century humor.

454–12 (4,4,4) English Fiction. **(a)** 18th century: Defoe through Jane Austen, **(b)** Victorian novel: 1830–1880, **(c)** 20th century. May be taken separately.

456–4 Modern Continental Fiction. Selected major works of European authors such as Mann, Silone, Camus, Kafka, Malraux, Hesse.

458–8 (4,4) American Fiction. **(a)** The novel in America from its beginning to the early 20th century, **(b)** trends and techniques in the American novel and short story since 1914. May be taken separately.

460–16 (4,4,4,4) British Drama. **(a)** Elizabethan drama: from the beginning of the drama in late Middle Ages through its flowering in such Elizabethan playwrights as Greene, Peele, Kyd, Marlowe, Heywood, Dekker, but exclud-

ing Shakespeare; (b) Jacobean drama: the Jacobean and Caroline playwrights: Jonson, Webster, Marston, Middleton, Beaumont and Fletcher, Massinger, Ford, Shirley; (c) Restoration and 18th century drama: after 1660, representative types of plays from Dryden to Sheridan; (d) Modern British drama. May be taken separately.

464–4 Modern Continental Drama. The continental drama of Europe since 1870; representative plays of Scandinavia, Russia, Germany, France, Italy, Spain, and Portugal.

468–4 American Drama. The rise of the theater in America; with readings of plays, chiefly modern. Prerequisite: 309a or 309b.

471–8 (4,4) Shakespeare. (a) The plays before 1600. (b) The plays of 1600 and later. Readings on the life of Shakespeare, the theater, and the acting companies. May be taken separately.

473–4 Milton. Reading of **Paradise Lost, Paradise Regained, Samson Agonistes,** minor poems, major treatises.

485–4 Problems in the Teaching of English. Aims, methods, materials, tests, programs, and other aspects of English instruction in the high school.

486–2 to 8 Workshop in High School English. Intensive study in lectures, laboratory, and conferences, on the teaching of English in high school. Curriculum, materials, methods, aims.

487–2 to 8 Workshop in Junior High School English. Intensive workshop study in lectures, laboratory, conferences on the teaching of English in junior high school. Curriculum, materials, methods, and aims. Directed by competent authorities in the field.

488–9 (3,3,3) Methods of Teaching English as a Foreign Language.

490–4 Advanced Composition. Expository writing. Prerequisites: completion of second-level GSC requirements, junior standing.

492–8 (4,4) Professional Writing II.

495–8 (4,4) Literary Criticism. (a) History of criticism: ideas and techniques from Aristotle to the end of the 19th century, (b) modern criticism: recent critics and critical attitudes, and practice in writing criticism.

499–2 to 6 Readings in English. For English majors only. Departmental approval required. No more than four hours may be taken in any one quarter.

500–4 Materials and Methods of Research in English. The principal tools of literary scholarship and the more important studies and journals. Practice in the preparation of selective bibliographies and scholarly reports.

501–4 Old English Grammar. The development of the forms, the grammar, and readings.

502–4 Beowulf. Readings of the poem and study of its form, language, and history. Prerequisite: 501.

504–4 Advanced English Syntax. A study of generative grammars. Prerequisite: consent of instructor.

505–4 Contrastive Linguistic Structures. A comparison of the structure of English with the structure of other languages. Prerequisite: consent of instructor.

508–4 to 8 Studies in Chaucer.

509–4 to 8 Studies in Middle English Literature.

511–4 to 8 Studies in the Renaissance.

513–4 to 8 Studies in 17th Century Literature.

514–4 to 8 Studies in Restoration and 18th Century Literature.

518–4 to 8 Studies in English Literature, 1885–1914.

519–4 to 8 Studies in Contemporary British Literature.

520–4 to 8 Studies in Romantic Writers.

521–4 to 8 Studies in Victorian Poetry.

524–4 to 8 Studies in the Metaphysical Poets.

531–4 to 8 Studies in American Colonial Period.

532–4 to 8 Studies in American Transcendentalism.

534–4 to 8 Studies in Early 19th Century American Writers.

536–4 to 8 Studies in Later 19th Century American Writers.

537–4 to 8 Studies in 20th Century American Writers.

538–4 to 8 Problems in American Literature.

540–4 Studies in Linguistics (Historical & Dialectal). Characteristics of regional vocabulary and usage in the United States, and in their relationship to dialectal features of British English; synchronic and diachronic description of American English. Prerequisite: consent of instructor.

543–4 to 8 Studies in Victorian Nonfiction Prose.

555–4 to 8 Studies in the Victorian Novel.
560–4 to 8 Studies in Renaissance Drama.
566–4 to 8 Studies in Shakespeare.
569–4 Seminar in Special Problems of English as a Foreign Language. Independent study in preparing and testing of instructional materials for the teaching of English as a foreign language. Restricted to English as a Foreign Language students.
579–16 (4,4,4,4) Studies in Modern Literature.
580–4 Traditional Themes. Persistent themes and legends in literature—King Arthur, Faust, Utopia, and the like.
581–12 (4,4,4) Problems in High School English. (a) Composition. (b) Linguistics. (c) Literature.
585–2 to 8 Teaching College Composition. Objectives, methods, and materials for the course; observation; and practice under supervision.
587–4 Literature for Young People. Extensive and critical reading of literature appropriate for young people from ages 11–17. Prerequisite: graduate standing.
597–2 to 4 Readings in Linguistics. Individual readings in linguistics under the guidance of a staff member.
598–1 to 9 Independent Review of English and American Literature. Restricted to master's degree students.
599–2 to 9 Thesis.

Finance

420–4 Problems in Corporation Finance. Application of principles of finance to specific cases. Development of analytical ability and fuller comprehension of the nature of financial problems as encountered in business and industry by combining specific cases and collateral readings. Prerequisite: 320.
423–4 Commercial Banking Operations. The administration and operation of a commercial bank, including organization structure and asset management. Major problems are analyzed through study of cases. Prerequisite: 420.
424–4 Financial Institutions. A study of the evolution, functions, and practices of the many types of financial intermediaries especially which have come into prominence since World War II. Particular attention is given to commerce and investments. Prerequisite: 420.
425–4 Investments. A survey of the investment field in theory and practice. Study of the state and federal agencies concerned with regulation of the issuance and exchange of securities in the interest of the investing public. The analysis of the particular types of investment securities and the bases for investment decisions and the management of investment portfolios. Prerequisite: 420.
430–4 Business Finance. An introductory course combining both a description of the structure of business financing and an analysis of functional finance from a managerial viewpoint.
520–4 Finance. Basic aspects of business finance. Sources of capital, short- and long-term financial planning and policy-making, the impact of the banking systems and of money or capital markets on business finance. Restricted to Master of Business Administration students.
523–4 Financial Management. Deepens understanding of financial concepts and practices through analysis of case problems in the major areas affecting the financial management of business. Prerequisite: 520.
528–4 Seminar in Finance. Intensive study and research in a problem in management of business according to the student's particular interests. Prerequisite: 523.

Foreign Languages

General Foreign Language

435–4 to 8 Workshop in Elementary School Foreign Language Instruction. Designed to assist elementary school teachers in integrating foreign languages into their teaching program as well as to encourage high school teachers to introduce or supervise foreign languages at the elementary school level. To count as education or foreign languages. Prerequisite: basic language credit.

486–8 (4,4) Materials and Methods for Teaching Foreign Languages. Application of language learning principles to classroom procedures at different levels. Theory and practice of the audio-lingual approach, the language laboratory, and applied linguistics. Required for all majors intending to teach foreign languages. Prerequisite: one quarter of any 300-level course or consent of instructor.

French

451–6 (2,2,2) Seminar. Integration of the specialized major courses and the development of a comprehensive view of the major field in terms of its relationship to the growth of Western civilization. Required of all seniors with French concentration.

461–4 French Stylistics. Study of writing style in French and its application to the development of skill in written expression. For those who wish to do advanced work in the principles of French grammar and composition. Prerequisite: 9 hours of 300-level courses or consent of instructor.

499–2 to 9 Readings in French. Readings in selected areas of French language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.

500–2 Seminar in Contemporary French Literature. A study of the **nouveau roman** and anti-theater from 1950 to the present.

501–2 to 6 Seminar on a Selected French Author. Intensive study of one author. May be taken a maximum of 3 times.

507–3 A Study of Romanticism. Prerequisite: graduate standing in Romance language.

510–4 19th Century Realism. A study of the Parnassion school of poetry, of realism and its ultimate development into naturalism in the drama and novel. Prerequisite: graduate standing in Romance language.

520–4 Graduate Composition and Diction. Composition based on study of contemporary French authors; individual work in pronunciation and diction determined by entrance tests.

544–4 French Language and Culture. Selected aspects of French culture. Lectures, discussions, oral and written reports. Prerequisite: bachelor's degree with emphasis in foreign languages.

545–3 Applied Linguistics and Remedial Phonetics. Fundamentals of linguistics with particular reference to their application to classroom procedures in the teaching of French, plus the analysis and correction of individual pronunciation difficulties. Prerequisite: bachelor's degree with emphasis in foreign languages.

546–3 Professional Preparation. Principles and practice of teaching foreign languages. Analysis of current trends and methods. Effective use of modern materials and techniques in the foreign language classroom. Visual aids, the language laboratory, textbooks, testing, organization of foreign language courses on various levels. Prerequisite: bachelor's degree with emphasis in foreign languages.

German

401–4 Faust. Analysis of both parts of Goethe's masterpiece, its background, meaning, and impact on world literature together with a general survey of the life and times of the author. Prerequisites: 201, one quarter of 220.

408–4 German Civilization. Intensive study of the German-speaking areas of the world, with emphasis on the anthropological and sociological aspects of their respective cultures (Austrian, German, Swiss, "Reichs-deutsch," etc.). lectures, reports. Prerequisite: senior standing in German language.

413–3 German Linguistics. Introduction to comparative German linguistics tracing relationships among German languages on the basis of phonology, morphology, and syntax. Prerequisite: senior standing in German language.

451–6 (2,2,2) Seminar. Integration of the specialized major courses and the development of a comprehensive view of the major field in terms of its relationship to the growth of Western civilization.

499–2 to 9 Readings in German. Readings in selected areas of German language, literature, culture, and civilization. Individual work or in small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.

500–2 Seminar in Contemporary Literature. Intensive study of the works of representative German authors, with special reference to the correlation existing between literary expression and social, economic, and political conditions since 1900.
501–2 Seminar on a Selected German Author. Intensive study of one author—his life, his work, and his place in the literary and cultural development of civilization.
506–2 Romanticism I. Study of the forerunners of German Romanticism: Holderlin, Jean Paul; and the authors of Early Romanticism: the writers of the so-called "Berlin School," with special attention to their involvement and reaction to 18th century thought. Lectures, reports.
507–2 Romanticism II. Study of Patriotic Romanticism: Kleist, Arndt, Korner, Uhland, etc., and Late Romanticism: Eichendorff, Lenau, Grillparzer, Heine, Morike, etc. Lectures, reports.
509–4 (2,2) Old High German. (a) Phonology, morphology, etymology, and syntax. (b) Continued study of grammar and reading of Franconian, Bavarian, and Alemannic texts. Prerequisite: graduate standing in German language.
512–3 19th Century German Novel. German literature from the decline of Romanticism to the end of the century. A study of trends and representative works of such authors as Keller, Fontane, Raabe, etc. Lectures, reports.
513–3 Twentieth Century German Novel. Continuation of 512. Study of representative writers of expressionism, "Neue Sachlichkeit," etc. Lectures, reports.
514–3 Seminar in Folklore. Study of German folk literature, with emphasis on folk tales (such as Grimm's **Household Tales,** regional sagas, etc.); chapbooks (such as **Dr. Faust, Till Eulenspiegel,** etc.); folksongs (**Des Knaben Wunderhorn**); and folk drama. Lectures, reports. Prerequisite: graduate standing in German language.

Greek

499–9 (3,3,3) Ancient Greek. (a) Selected readings designed to develop basic lexical and structural competence. (b) Continuation of a. (c) Study of a selected masterpiece of Greek literature. Prerequisites: (a) one year college-level foreign language, consent of chairman; (b) 499a or equivalent, consent of chairman; (c) 499b or equivalent, consent of chairman.

Italian

499–2 to 9 Readings in Italian. Readings in selected areas of Italian language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.

Russian

499–2 to 9 Readings in Russian. Readings in selected areas of Russian language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.

Spanish

415–3 Spanish Phonetics. Analysis of the sounds of Spanish and their manner of production; intonation; levels of speech; oral practice. Prerequisite: 201 and one quarter 220, or graduate standing, or consent of faculty chairman.
451–6 (2,2,2) Seminar. Integration of the specialized major courses and the development of a comprehensive view of the major field in terms of its relationship to the growth of Western civilization.
461–4 Spanish Stylistics. Study of writing style in Spanish and its application to the development of skill in written expression. For those who wish to do advanced work in the principles of Spanish grammar and composition. Prerequisite: 9 hours of 300-level courses.
499–2 to 9 Readings in Spanish. Readings in selected areas of Spanish language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.
500–2 Seminar in Latin American Fiction. The works of a specific novelist

or group of novels on a similar theme studied as a reflection of social and cultural conditions in a country or geographical area.
501–2 Seminar on a Selected Spanish Author. Study of one author—his life, his works, and his relationships to the literary and social currents of his time.
505–3 The Picaresque Novel. Study of the **Lazarilla,** with collateral readings of other masterpieces of this genre.
506–4 The Renaissance. Literature of the Renaissance in Spain, including the drama, the novel, the lyric poetry, and the histories of the Indies.
520–3 Seminar in Syntax. Stylistics and grammatical analysis.
525–3 The Spanish Ballads. The romance studied as a part of the literature and folklore of Spain and the New World.
535–3 Mexican Essayists of the 19th Century. Currents of Mexican thought in the 19th century.

Romance Philology

410–4 Romance Philology I. Survey of phonology, morphology, and syntax changes in Romance languages in general; special attention to the developments in French and Spanish for students with concentration in these fields. Prerequisite: senior standing in Romance language.

Geography

402–10 (4,3,3) Physical Geography I. (a) Soils. (b) Climate. (c) Water. Prerequisite: GSA 110a.
403–8 (4,4) Physical Geography II. (a) Geomorphology. (b) Physiography. Prerequisite: GSA 110.
404–10 (4,3,3) Urban Geography and Ecology. (a) Urban Geography and Ecology, (b) Industrial Location, (c) Economic Development. Prerequisite: 304.
405–7 (4,3) Location of Economic Activities II. (a) Marketing and location theory. (b) Transportation. Prerequisite: 304.
406–7 (4,3) Cultural Geography I. (a) Population. (b) Settlement Geography. Prerequisite: 306.
407–7 (4,3) Cultural Geography II. (a) Political geography. (b) Historical geography. Prerequisite: 308.
410–8 (4,4) Quantitative Methods in Geography. (Same as Government 410.) Statistical and computer research techniques for geographers.
416–8 (4,4) Cartography. Instruction and practice in (a) thematic mapping, (b) planimetric mapping. Prerequisite: 310a.
417–3 Air Photo Interpretation. Techniques in the use of air photos as source material for research on physical and social sciences. Prerequisite: 310.
424–4 Regional Problems in Conservation. The distribution, use, and interrelationship of the resources of the U.S. and the conservation techniques applied to them.
426–12 (4,4,4) Photogrammetry.
450–3 to 15 Travel Study Course. Enrichment through travel, supervised study and readings on areas visited.
461–7 (4,3) Regional Geography of Anglo America. (a) Present day United States and Canada. (b) Specific concentration on certain areas and topics.
462–7 (4,3) Regional Geography of Europe. (a) A general survey of the area (b) Special concentration on a region and topics.
463–7 (4,3) Regional Geography of Mediterranean Lands and Southwestern Asia. See 462.
464–7 (4,3) Regional Geography of the Soviet World. See 462.
465–7 (4,3) Regional Geography of Africa. See 462.
466–7 (4,3) Regional Geography of Asia. See 462.
467–7 (4,3) Regional Geography of Latin America. See 462.
468–7 (4,3) Advanced Regional Geography: Oceania. See 462.
470–20 (4,4,4,4,4) Urban Planning. (a) History of planning. (b) Planning codes and ordinances. (c) Housing and community facilities. (d) Planning problems. (e) Planning internship. Prerequisite: 308.
471–8 (4,4) Regional Planning. (a) Regional planning. (b) Location of urban and regional economic activity. Prerequisite: 470a.
475–4 to 8 Methods of Field Geography. Application of geographic field techniques.

490–8 (1 to 2, 8 total) Tutorial in Geography. Individual and small group conferences with staff members to examine geographic concepts.
500–4 Geographic Techniques I. Emphasizes field and quantitative techniques used in geography.
501–4 Geographic Techniques II. Emphasizes the conceptual framework of geography, library and bibliographic techniques, and geographic writing.
511–4 Philosophy of Geography. The nature of geography. Current trends in the field, present-day geographers, and schools of though. Geography's place among the disciplines.
515–4 to 6 Field Course. Actual experience in the field. Under guidance of staff members students gather data and work toward the solution of selected field problems in one particular region of the world. Not offered on campus, but in a field camp location suited to the study of selected problems. Prerequisites: 500, 501.
520–2 to 8 Seminar in Physical Geography.
521–2 to 8 Seminar in Economic Geography.
522–2 to 12 Seminar in Regional Geography.
523–4 Seminar in Cartography.
524–2 to 8 Seminar in Cultural Geography.
527–2 to 8 Seminar in Urban and Regional Planning.
530–2 to 10 Independent Studies in Geography.
570–4 Philosophy, Theory, and Practice of Planning. The nature of urban planning thought, philosophical issues, and present theories. Prerequisite: 470a.
571–4 (2,2) Environmental Aspects of Planning. (a) The study of the environment in the development of land use plans. **(b)** The use of the resource base in planning. Prerequisite: 470a.
572–8 (4,4) Quantitative Planning Research. (a) Programming urban and regional data for computer use for application and quantitative measures. **(b)** Advanced programming urban and regional data. Prerequisite: 410a.
573–8 (4,4) Urban Renewal. (a) Theory and techniques of public and private urban renewal. **(b)** Renewal planning for urban housing, industry, and recreation. Prerequisite: 470a.
574–10 (4,4,2) Urban Planning Design Studio. (a) Design fundamentals for planning; **(b)** plan design; **(c)** design and plan communication. Prerequisite: 470a.
575–4 (2,2) Urban Planning Analysis. (a) Theory and techniques of planning research, analysis, and goal formation. **(b)** Continuation of a. Prerequisite: 470a.
576–2 to 8 Planning and Design Seminar. Prerequisite: 470a.
577–2 to 8 Seminar in Urban Problems. Prerequisite: 470a.
599–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Government

410–8 (4,4) Quantitative Methods in Political Science (Same as Geography 410). Statistical and computer research techniques for political scientists.
421–4 Public Personnel Administration. Analysis of problems of recruiting, retaining, and developing public service employees and related topics such as political neutrality, motivation, security, and manpower planning. Prerequisite: 320.
422–4 Public Financial Administration. Survey of problems encountered in the administration of public financial resources including budgeting, accounting, auditing, and fiscal and monetary policy. Prerequisite: 320.
423–4 Comparative Public Administration. Introduction to administrative organization and practices of Western and non-Western nation-states. Prerequisite: 320.
424–4 Administrative Law. Principles of administrative law in the United States with special emphasis on the law of public officers and on legal procedures for the enforcement of bureaucratic responsibility. Prerequisite: 320.
429–4 Topics in Public Administration. Intensive study of an administrative problem or process. Intended primarily for government concentrations with advanced standing. Prerequisite: 320.
445–12 (4,4,4) American Political Behavior. (a) Survey of studies of American elections emphasizing the psychological, sociological, and political-legal bases of voting behavior. **(b)** Survey of research findings concerning the relation-

ship of psychological and sociological characteristics to the political process. (c) Survey of research findings concerning the relationship of communications content and communications media to the political process. Prerequisite: 203a.

448–4 Intergovernmental Relations in the United States. An introduction to the relationships—political, legal, fiscal, administrative, etc.—between and/or among the national, state, and local governments. Prerequisites: GSB 203a, GSB 318 or consent of instructor.

449–4 Topics in American Politics. Intensive examination of one significant facet of the American political system. Primarily for government concentrations having had considerable work in the area. Prerequisite: GSB 203a.

456–4 Topics in Comparative Politics. Detailed study of a major question of relevance to comparative politics. For students with considerable background in government course work. Prerequisite: 350 or 355.

472–8 (4,4) International Organizations. (a) Description and analysis of both past and contemporary general international organizations, with special emphasis on the principles, structure, decision-making processes, operations, and problems of the United Nations and its related agencies. (b) Examination and comparative analysis of the foundations, nature, and functioning of contemporary regional organizations, their relationship to the United Nations system, and their role in world politics. Attention focused on such bodies as NATO, the Warsaw Pact, the OAS, SEATO, the Commonwealth, the Arab League, the Organization for African Unity, the European Communities, Comecon, and Lafta. Prerequisite: 200.

473–12 (4,4,4) Foreign Politics of Major Powers. (a) Institutional framework and decision-making processes of American Foreign policy; idealist and realist schools of thought; the national interest in historic and geographic perspective. (b) Analysis of objective strategy, and tactics of Soviet foreign policy, with emphasis on the combination of conventional and unconventional instruments including role of Communist parties. (c) Analysis of foreign policies of the major European powers, with emphasis on structural changes incident to the two world wars and the dissolution of colonial empires. Prerequisite: 370.

479–4 Topics in International Relations. Detailed study of a selected topic in the area of international relations. Primarily for government concentrations with advanced standing. Prerequisite: 370.

481–8 (4,4) Descriptive Political Theory. (a) Intensive study of major contemporary attempts to devise a general systems theory of politics. (b) The character of scientific inquiry as it relates to the discipline of political science. Prerequisite: 200.

484–12 (4,4,4) History of Western Political Theories. Examination of theories in the history of Western political thought. (a) Emphasis on the theories of Plato, Aristotle, the early and middle Stoa, Cicero, Augustine, and Aquinas. (b) Emphasis on the theories of Machiavelli, Bodin, Hobbes, Licke, Montesquieu, Rosseau, Burke, and Bentham. (c) Emphasis on the theories of Publius, Hegel, Compte, Mill, Marx, Green, Kroptkin, Sorel, the Fabians, and John Dewey. Prerequisite: 385.

486–3 Workshop on Teaching the American Political Heritage. Major concepts and topics of the American political heritage including myth, symbol, signal, natural rights, limited government, libertarianism, totalitarianism, and socialism; and methodological tools which aid communication of those topics to elementary and secondary school students in a palatable and comprehensive form.

487–6 (3,3) American Political Theory. Examination of leading American political thinkers. The concepts and topics of political thought in the United States are examined in relation to both the political milieu of their given periods as well as the manner in which they contributed to a developing policy. (a) From Puritan thought to Alexis de Tocqueville. (b) From Calhoun to the present. Prerequisite: 385.

489–4 Topics in Political Theory. Examination of the works of one major political thinker and the treatment of one major topic or idea by selected political thinkers. Primarily for students concentrating in government with advanced standing. Prerequisite: 385.

495–12 (4,4,4) Constitutional Law. (a) A study of the development of American constitutional law chiefly through judicial opinion. Emphasis is placed on the analysis of federalism and the distribution of powers. (b) A study of government power and the rights of property. Special attention is directed to tension between the public welfare and private rights, the extent of govern-

ment power to regulate property rights, and state versus federal power over commerce and taxation. (c) A study of the nature and extent of civil rights and liberties in the United States. Special attention is given to freedom of speech, press, and association, separation of church and state, equal protection of the laws, and the rights of persons accused of crime. Prerequisite: GSB 203a.

496–4 American Judicial Behavior. Introduction to the methods, goals, and limitations of behavioral research on American courts and judges. The impact of technology on the judicial process. Prerequisite: 340c.

500–4 Scope and Method of Political Science. Introduction to major schools of thought and basic research techniques in political science.

514–3 Studies in Asian History and Politics. (Same as History 514.) Proseminar course on select topics in Asian history and politics. Prerequisite: consent of faculty.

521–1 to 12 Readings in Government. Supervised readings in selected subjects. Not more than 6 hours may apply toward the master's degree. Prerequisite: consent of instructor.

529–2 to 9 Seminar in Public Administration. Prerequisite: consent of instructor.

545–2 to 9 Seminar in American Politics. Prerequisite: consent of instructor.

555–2 to 9 Seminar in Comparative Politics. Prerequisite: consent of instructor.

575–2 to 9 Seminar in International Relations. Prerequisite: consent of instructor.

585–2 to 9 Seminar in Political Theory. Prerequisite: consent of instructor.

590–2 to 9 Seminar in American Public Law. Prerequisite: consent of instructor.

595–2 to 6 Individual Research. Supervised research and writing in selected subjects. Prerequisite: consent of instructor.

599–2 to 9 Thesis.

Health Education

400–4 Health Appraisal of School Children. The role of the teacher in the health appraisal of the school child, including school health examinations, use of health records, and emphasis on training for recognition of health deviations from normal common among school children. Not open to students who have had 450.

415s–3 Workshop in Driver Education and Traffic Safety. Summer course designed for pre-service and in-service teachers of driver education and traffic safety. Individual and group problems are treated. Lectures by safety authorities, demonstrations, field trips, audio-visual materials, and individually supervised research in special problem areas. Prerequisite: 302 or equivalent.

443s–4 Methods and Materials in Driver Education. An advanced course in driver education which includes a study of existing courses of study, review of research, course-of-study planning, visitation and reporting, panel discussions, accident statistics, conducting the secondary school program, testing, and demonstration in the car. Prerequisite: 302.

460–4 Methods and Materials in Secondary School Health Education. Shows the prospective teacher the fundamental processes involved in the teaching of health education at the secondary level.

461–4 Workshop in Health Education. Summer course for in-service teachers, administrators, advanced students, nurses, social workers, and others interested in public health aspects of school and community living. Individual problems of classroom health treated as units in such fields as speech defects and their detection and correction, communicable disease control, nutrition, social and mental hygiene. Lectures, demonstration, films, field trips, and individually supervised research in special problems. Prerequisite: 100 or its equivalent.

470–3 Workshop in Sex Education for Elementary Teachers. (Same as Elementary Education 470.)

471–4 Organization and Administration of School Health. Appraisal of overall school organization for health education, including health service and personnel, health and safety instruction, school environment, school health examination, local, state, and federal resources for health, health councils, and interdepartmental relationships.

480s–3 Workshop in Safety Education. Summer course for in-service teachers, nurses, administrators, advanced students, and others interested in safety edu-

cation as it applies to the public school and the community. Individual problems, lectures, demonstrations, films, field trips, and individual group study in special areas of interest. Prerequisite: 313 or 323 or consent of instructor.

525s–4 Organization, Administration, and Supervision of Safety Education. Designed to give the student basic principles of organization, administration, and supervision of safety education. Problems, policies practices, and methods involved in the organization and administration of a safety education program.

History

401–8 (4,4) History of the South. (a) The Old South. (b) The New South. An intensive study of the social, economic, political, and cultural developments of the South.

405–3 The American Civil War. Emphasis upon the clash of national and sectional interests; economic, political, and military aspects of the conflict. Prerequisite: GSB 300b or consent of instructor.

408–6 (3,3) History of the Ancient Near East. (a) Earliest times to 1200 B.C. (b) 1200 B.C. to 330 B.C. Prerequisite: 100.

410–2 to 5 Special Readings in History. Supervised readings for students with sufficient background. Registration by special permission only. Offered on demand.

412–9 (3,3,3) Intellectual History of the United States. (a) 17th and 18th centuries. (b) 19th century. (c) 20th century. Prerequisite: GSB 300.

415–12 (4,4,4) Early Modern Europe. (a) Renaissance. (b) The Reformation. (c) Age of Absolutism and Enlightenment. Prerequisite: GSB 101b,c.

417–16 (4,4,4,4) Advanced English History. (a) Constitutional and Legal History to 1485. (b) Tudor England, 1485–1603. (c) Stuart England, 1603–1714. (d) The Empire-Commonwealth. Prerequisites: GSB 101b,c.

420–4 The French Revolution. A sketch of the passing of feudalism in France, the background and development of the revolutionary movement, and the Napoleonic period. Prerequisite: GSB 101b.

422–12 (4,4,4) History of the Near East. (a) The formation of Islamic civilization. 500–945 A.D. (b) Medieval Islamic civilization. 945–1789 A.D. (c) The modern Near East. 1789 to the present. Prerequisite: GSB 101.

425–6 (3,3) American Colonial History. (a) Discovery and Settlement, (b) British Imperial Structure. Prerequisite: GSB 300a.

426–4 The Revolution and the Constitution. A study of the conflicting forces which produced the American Revolution, led to the creation of the federal union, and shaped the early republic. Prerequisite: GSB 300a.

428–4 The Age of Jackson. Origins, background, and development of that phase of American democracy associated with the Jacksonian era. The political, social, and economic history of the years 1815–1844 considered in detail. Prerequisite: GSB 300a.

430–9 (3,3,3) Late Modern Europe. (a) Age of Revolution, 1815–1880. (b) 1880–1918. (c) Since 1918. Age of Dictatorships. Prerequisite: GSB 101c.

435–12 (3,3,3,3) Advanced American History. (a) 1865–1895. (b) 1896–1919 (c) 1919–1939. (d) 1940–present.

437–6 (3,3) American Military History. (a) The development of American military institutions and their place in American society up to 1914. (b) The increasing power and influence of the military establishment in an era of global conflict. Prerequisite: GSB 300.

440–9 (3,3,3) History of American Diplomacy. (a) To 1913. (b) 1913 to 1945 (c) Recent problems in diplomacy. Prerequisite: GSB 300a,b,c.

445–3 The Russian Revolutions: 1900–1930. A study of the revolutions and civil war of 1917–1921 within the context of the problems which Russia encountered under the Tsarist regime, the Tsarist government's efforts to solve them, and the extent to which the Soviet government continued or changed Tsarist policies. Delineation of the relationship between Russian and Communist elements in shaping Russian Communism.

451–3 A Survey of Historical Writing. Development of history as a written subject, including works and philosophy of the various historians in ancient, medieval, and modern periods. Prerequisites: GSB 101b,c.

452–3 Historical Research and Thesis Writing. The rules of historical research studied and applied to a definite topic. For history concentrations only. Prerequisite: junior standing.

454–3 Biography in American History. Outstanding leaders and their contributions to the history of the United States. Attention to historical writers who specialize in biography. Prerequisite: a course in United States history.
458–8 (4,4) History of Science. (a) Science and civilization to 1500 A.D. (b) Western science since 1500 A.D. Prerequisites: GSB 101b,c.
460–9 (3,3,3) Social and Intellectual History of the Middle Ages. (a) 500–1000. (b) 1000–1250. (c) 1250–1500.
470–3 Argentina, Brazil, and Chile. A narrative and comparative study of the independent era of the history of the three leading states of South America.
471–6 (3,3) History of Mexico. (a) 19th century. (b) 20th century. Significant political, economic, diplomatic, social, and cultural aspects of Mexican life from independence to modern Mexican life.
473–6 (3,3) The Caribbean Area. (a) Island states of the Caribbean. (b) Central American area.
474–3 United States-Mexican Relations. A chronological and topical study of the diplomatic, economic, military, and cultural relations between the two nations.
500–3 to 9 History Seminar. (a) American history, (b) European history, (c) Latin American history.
510–2 to 5 Readings in History. Registration by special permission only.
511–3 Studies in the Middle Ages. Extensive reading and discussion in selected topics of medieval European history.
512–3 Studies in Nineteenth Century Europe. An advanced readings course in selected problems of nineteenth century Europe. Emphasis on economics, social, and intellectual history. Prerequisite: 430a,b or consent of instructor.
513–4 Problems in Ancient History. For graduate students who have had one or more undergraduate courses in ancient history. Consists primarily of analyzing and discussing selected source material in translation.
514–3 Studies in Asian History and Politics. (See Government 514.)
515–3 Current United States History and Problems. A content and research course dealing with contemporary American affairs. Consists of textbook assignments and outside readings. Prerequisites: proper background, consent of instructor.
519–4 The Age of Jefferson. Rise and development of Jeffersonian Democracy, 1790–1824, with emphasis upon social, economic, and political programs of Republicans and Federalists; the clash of mercantile and agrarian interests.
530–4 City-States of the Italian Renaissance. An intensive study of selected city-states in Italy during the period from the late 13th century to the end of the 15th century. The political and economic developments, and the "culture" of the Italian Renaissance.
534–4 Eighteenth-Century England. Introductory lectures and discussion of aspects of 18th century English political, constitutional, economic, and social history.
540–4 American Reform Movements. The dynamics of American reform movements, their similarities and differences, their triumphs and failures, and the spirit which motivates them and distinguishes them from attempts to change the direction of other societies. Includes both lectures and discussion based on books pertinent to each reform era. Prerequisite: U.S. survey.
545–3 Problems in Russian History. A study of various Russian historical issues and the divergent interpretations concerning them. Prerequisite: graduate standing.
553–3 New Viewpoints in American History. New interpretations and recent developments in American history. Prerequisite: GSB 300.
554–4 Problems in 19th Century America. Lectures, discussions, and readings on significant issues and interpretations of 19th century America.
575–9 (3,3,3) Studies in Latin American History. A content and research course concerning selected studies in Latin American history.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Instructional Materials

403–4 School Library Functions and Management. Effective library services in relation to the educational objectives of elementary and secondary school programs: organization, supervision, finance, housing, equipment, standards, and evaluation.

405–4 Library Materials for Children. Study of the aids, methods, and criteria for the selection and use of books and other instructional materials for children in the elementary schools.
406–4 Library Materials for Adolescents. A study of the aids, methods, and criteria for the selection and use of books and other instructional materials for students in the high school.
407–4 Basic Reference Sources. Evaluation, selection, and use of reference sources for elementary and secondary school libraries. Principles and methods of reference service.
410–4 Public Library Administration. The administration of municipal, county, and regional libraries, both large and small, with emphasis on meeting the needs of different types of communities.
413–4 Cataloging of Non-Book Materials. The classification, cataloging preparation and circulation of all types of non-book material such as films, filmstrips, slides, realia, etc. Prerequisite: 308.
417–4 Audio-Visual Methods in Education. Selection and utilization of instructional materials in the learning environment, elementary through adult levels. Audio and visual materials and procedures are emphasized with some attention given to bibliographies and reference books for teachers.
420–4 School Library Activities and Practice. Supervised practice and observation integrated with instruction in the typical activities of school librarianship; storytelling, publicity, developing units of library instruction, and work with students. Prerequisites: 308, 403, 405, or 406 and 407.
422–4 Book Selection. Principles for selection and evaluation; use of standard selection aids, reviews, and annotations; policies governing the building and maintenance of a collection.
430–2 Basic Audio-Visual Maintenance Techniques. Basic instruction in simple maintenance techniques required to keep audio-visual equipment operating in instructional situations. Useful in media centers without services of an audio-visual technician. Laboratory type course with short lectures.
440–2 Photography for Teachers. Techniques of picture-taking and the preparation of color slides of community resources for use in classroom instruction and for school public relations.
445–4 Preparation of Teacher-Made Audio-Visual Materials. Laboratory practice in the preparation of bulletin boards, opaque materials, models, slides, recordings, felt-boards, and other graphic materials. Prerequisite: 417 or consent of instructor.
456–4 Graphics for Instructional Television. Preparation of visual materials for instructional television programs for teaching in home schools. Prerequisite: 445.
457–4 Radio and Television in the Classroom. Educational programs and their value to the teacher in the classroom. Sample tapes of radio programs and kinescopes are used.
458–4 The Medium of the Motion Picture. A study of the full range of expression by motion pictures including documentary, theatrical, educational, experimental, and industrial films. Representative films are screened.
470–4 Programmed Instruction. The principles and practice of writing both linear and intrinsic types of programmed instruction with emphasis on pictorial and performance branches. Individual experience in planning and producing programs.
510–4 Mass Communications in Education. The use of mass media in the classroom. Includes radio, TV, comic books, newspapers, magazines, motion pictures.
514–4 Survey of Research and Development in Instructional Materials. Advanced readings in research in instructional materials and the practical application of findings. Prerequisites: 405, 406, 417 or consent of instructor.
530–4 History of Books and Libraries. The evolution of the printed book and the rise and development of modern libraries.
546–4 Integration of Audio-Visual Materials in the Classroom. Selection of materials on the basis of curricular needs. Techniques of evaluating each type of audio-visual material for use in the classroom. Structured for both the audio-visual administrator and the class room teacher. The principles and practices of integrating audio-visual materials into the curriculum; the problems, annotations, and classification of evaluated materials. Prerequisites: 417, consent of instructor.
547–4 School Film and Filmstrip Production. Simplified techniques for teach-

ers and audio-visual coordinators who may need to produce school-made films and filmstrips to meet local school problems. Prerequisites: 417 and 440 or consent of instructor.

548–4 Supervision and Administration of an Audio-Visual Program. Provides professional information and training for persons with administrative responsibilities at the district or unit level. Primarily designed for directors of instructional materials and audio-visual centers. Prerequisite: 417 or consent of instructor.

549–4 Visual Learning. Learning from pictures in the classroom, the design of still and moving pictures, pictures used in testing perception, and the place of pictures in advertising and communication. Prerequisite: consent of instructor.

554–4 Administration of an Instructional Materials Center. Based on the concept of a single agency in the school that encompasses all forms of instructional materials. Designed to further the training of specialists in the supervision and administration of integrated audio-visual and library programs. Prerequisite: 403.

560–4 Seminar in Instructional Materials. Designed to give advanced graduate students an opportunity to investigate and discuss topics in instructional materials before the seminar group. Topics selected depend on background and interest of individuals. Prerequisite: consent of instructor.

576–2 to 8 Problems in Instructional Materials. Individual study of selected problems. Prerequisite: consent of instructor.

Journalism

402–2 to 8 Journalism Practicum. Study, observation, and participation in publication of the campus newspaper, and/or participation in a comparable professional setting, with the number of credit hours to be determined by agreement of the instructor and the student's adviser in his concentration. Prerequisite: consent of instructor.

Management Science

480–4 Management Systems III. The study of organizations from a total systems concept—integrated decision, physical, and information systems. Prerequisite: 381.

489–1 to 4 Independent Study in Management Science. An investigation of topical areas in greater depth than regularly titled courses permit. Individual or small group readings or projects. For qualified seniors. Prerequisite: consent of instructor and faculty chairman.

513–4 Deterministic Models in Decision-Making. Matrix algebra, classical optimization techniques, linear problems, and model building. Prerequisites: Quantitative Methods 510, 511.

518–4 Seminar in Probabilistic Models. The application of modern mathematical theory to the solution of business models under conditions of uncertainty. Statistical inference, inventory models, queuing, and game theory. Both analytical and simulation techniques are employed. Prerequisites: 513, 583.

580–4 Management Systems. A first-level course designed for graduate students who require additional background in a complex supported system. Prerequisite: MBA standing.

583–4 Advanced Management Systems. Development of management systems by learning to view, simultaneously, the overall business organization as a system, and the sub-systems of information-flow which are elements of the business system. Bridging of the gap between the ideal management system and the operational real-world business systems with its variety of sub-systems as a basis for drawing conclusions, formulating alternative courses of action, and making decisions. Prerequisites: 580, Quantitative Methods 511.

588–4 Seminar in Management Systems. Broadens and deepens understanding of the application of management science to functional areas throughout a business. Brings together computer-supported quantitative methods in the environment of management systems and considers ways of making these tools available for business decisions. Problems are taken from such areas as

distribution, production, inventory, finance, budgeting, managerial accounting, and personnel. Prerequisites: 513, 583.
592–4 Seminar in Managerial Systems. The design and operation of data-based systems essential to managerial planning, coordination, and control. Emphasis on accounting and financial systems.

Marketing

452–4 Physical Distribution Management. Spatial relationships of plant capacity and storage facilities and their connecting link, transportation. Prerequisite: 341 or graduate standing.
470–4 Marketing Research. A development of the concepts necessary for understanding and performing research in the area of marketing. The basic procedures and theories underlying research are investigated, evaluated, and applied to marketing decision making. Such areas as market, advertising, and sales research are given consideration. Prerequisites: 371, Quantitative Methods 211.
471–4 Advertising Policy and Management. Advertising strategy, planning, research and its relationship to other marketing tools. Emphasis is placed on problems faced by marketing and business executives in administering the advertising effort. Prerequisite: 470.
472–4 Sales Policy and Management. Content centers around the organization and operation functions of salesmen and sales managers (including all echelons from the general marketing managers to the territory sales men.) Problem areas such as sales department organization, recruiting salesmen, motivating and supervising salesmen, sales territory design and coverage, and appraising salesmen's performance. Prerequisite: 470.
473–4 Advanced Marketing Management. An advanced course in managerial marketing which is designed as a capstone course for marketing majors. The purpose is to develop the student's ability to identify marketing problems, investigate alternative solutions, and render decisions. Prerequisite: senior standing. This course should be the final course taken by the undergraduate marketing major.
479–1 to 4 Independent Study in Marketing. An investigation of topical areas in greater depth than regularly titled courses permit. Individual or small group readings and projects. For qualified seniors. Prerequisite: consent of instructor and faculty chairman.
570–4 Marketing Concepts. An introductory course designed to explore the place of marketing in individual businesses and in the economy. Emphasis on marketing functions, institutions, and current thought. Prerequisite: Master of Business Administration students only.
573–4 Marketing Policies. Primary emphasis on managerial aspects of the marketing function, including product, research, promotion, pricing, and channel strategies. Relationships to other business functions, to the legal environment, and to information technology as used by marketing managers. Quantitative methods of decision-making as applied to marketing. Prerequisite: 570.
578–4 Seminar in Marketing. Through the study of selected cases and other methods, the student explores and analyzes current marketing problems and contemporary developments in marketing practices and appraises and evaluates the significance of these developments. Prerequisite: 573.

Mathematics

400–3 History of Mathematics. An introduction to the development of major mathematical concepts. Particular attention given to the evolution of the abstract concept of space, to the evolution of abstract algebra, to the evolution of the function concept, and to changes in the concept of rigor in the development of mathematics from 600 B.C. to the present time. Prerequisite: 350.
405–8 (4,4) Applied Mathematics for the Physical Sciences II. (a) Fourier series and boundary value problems, solution of partial differential equations with singular points, special functions. (b) Tensor analysis, complex variables, Green's function, integral equations. Must be taken in a,b sequence. May not be used for graduate credit in mathematics. Prerequisite: 305.

410–16 (4,4,4,4) Statistical Analysis. For students in fields using statistical methods but who are not required to take calculus. Includes **(a)** elements of probability, estimation, and testing hypotheses; **(b)** the general linear model (multiple linear regression, analysis of variance, analysis of covariance) and nonparametric statistics; **(c)** design of experiments; **(d)** sample survey techniques. May not be used to satisfy requirements for a mathematics concentration. Three lectures and two laboratory hours per week. Must be taken in either a,b,c,d or a,b,d,c sequence. Prerequisite: GSD 114a.

413–4 Solid Analytic Geometry. An algebraic study of equations of the first and second degree in three variables, with applications to geometry. Systems of planes; equations of lines in symmetric and parametric form. Spheres, cylinders, surfaces of revolution. Matrix algebra; real orthogonal and symmetric matrices. Coordinate transformations; orthogonal similarity. Quadratic forms and quadric surfaces; invariants; principal axes and planes. Prerequisite: 350a.

415–4 Non-Euclidean Geometry. An introduction to hyperbolic and elliptic plane geometry and trigonometry. Emphasis given to the nature and significance of geometry and the historical background of non-Euclidean geometry. Prerequisite: 250.

420–6 (3,3) Fundamental Concepts of Algebra. Introduces abstract algebraic structures including groups, rings, fields, and vector spaces. Must be taken in a,b sequence. Prerequisite: 321.

421–6 (3,3) Linear Algebra. The theory of determinants and systems of linear equations; vector spaces, linear independence, bases, dimension; linear transformations, change of base, similarity; quadratic and Hermitian forms, orthogonal, and unitary transformations; triangular and diagonal form; eigenvalues and eigenvectors; normal matrices, nilpotent and idempotent matrices, the spectral theorem. Must be taken in a,b sequence. Prerequisite: 321.

425–3 Theory of Numbers. Topics in elementary number theory, including properties of integers and prime numbers, divisibility. Diophantine equations, and congruence of numbers. Prerequisites: 321, 350.

426–6 (3,3) Mathematical Logic. **(a)** Matrix and set theoretic development of the propositional calculus, many-valued logics, modal logics. Completion and consistency proofs for the propositional calculus. **(b)** A formal development of the predicate calculus and related problems. Must be taken in a,b sequence. Prerequisite: 420a or consent of instructor.

430–4 Projective Geometry. Introduction to the fundamental concepts of projective geometry. Topics usually include the study of conics, polar systems of conics, homogeneous coordinates, cross-ratio, harmonic sets, duality, projectivities, and involutions. Prerequisite: 321 or consent of instructor.

433–3 Theory of Point Sets. General properties of sets; topology of plane sets; closed sets and open sets in mertic spaces, homeomorphisms and continuous mappings, connectedness. Prerequisites: 350, 6 hours in courses numbered 300 or higher.

440–2 to 4 [1] Modern Algebra for Teachers. An introduction to algebra as a logical system, including groups, rings, and fields. Prerequisite: consent of instructor.

442–2 to 4 [1] Survey of Geometry. A survey of geometry, including projective geometry, topology, etc. Prerequisite: consent of instructor.

445–2 to 4 [1] Fundamental Concepts of Calculus. A careful study of the basic concepts of calculus, offered as part of the special graduate program for secondary school teachers. Prerequisite: consent of instructor.

446–2 to 10 Structure of Mathematics. A course to assist experienced teachers in extending their understanding of mathematics. **(a)** Elementary School Mathematics; **(b)** Junior High School Mathematics. Does not count credit toward a mathematics concentration. Prerequisites: experience in teaching, consent of instructor.

447–4 [1] The Structure of Secondary School Mathematics. A course to assist experienced secondary school teachers in extending their understanding of mathematics. Does not count toward a mathematics concentration. Prerequisites: experience in secondary teaching, consent of instructor.

452–9 (3,3,3) Advanced Calculus. Fundamental concepts of analysis: limits continuity, differentiation, and integration. Major topics include partial dif-

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ferentiation, vector analysis, Riemann-Stieltjes integrals, multiple integrals, infinite series, improper integrals, uniform convergence. Fourier series, and line and surface integrals. Must be taken in a,b,c sequence. Prerequisite: 350.

455–9 (3,3,3) Advanced Mathematics for the Physical Sciences. Introduction to various topics such as complex variable theory with applications, operational calculus (Laplace and other transforms), vector field theory, and partial differential equations. May be taken separately or in any sequence. Prerequisites: 305, 350.

458–6 (3,3) Finite Mathematics. An introduction to topics in finite mathematics such as logic, sets, probability, linear algebra, and Markov chains. Designed for students preparing for high school teaching and for advanced students in the behavioral sciences. Prerequisite: 250.

460–4 Modern Geometry. Advanced topics in Euclidean geometry by the synthetic method. Topics include the nine-point circle, Simson line, theorems of Ceva and Menelaus, coaxal circles, harmonic section, poles and polars, similitude, and inversion. Prerequisite: 20 hours of college mathematics.

472–9 (3,3,3) Operations Research. Linear system problems, linear programming and network problems; probabilistic systems, queueing and inventory theory; digital simulation; time dependent processes, single and multi-channel time series analysis. Prerequisites: 225, 350a.

473–9 (3,3,3) Computer Science. (a) Introduction to assembly level programming. Digital computer structures, characteristics, and number systems; operations, coding, systems programming. (b) Introduction to basic compiler theory. Method of formal language definition, parsing, Polish string notation, and hierarchy of operators. (c) Optimization techniques. Specific operational compiler examples, class projects. Prerequisites: 225, 250.

474–6 (3,3) Introduction to Digital Systems Design. (a) Elementary number systems, boolean algebra, hardware logic design and minimization techniques. (b) Digital computer fundamentals and input/output techniques, systems design and analysis. Prerequisites: 225, 250.

475–9 (3,3,3) Numerical Analysis. Introduction to approximation methods including finite differences and interpolation; numerical differentiation and quadrature; least squares approximation; numerical solution of linear and non-linear systems; numerical integration of systems of ordinary and partial differential equations. Emphasis upon error analysis throughout. Must be taken in a,b,c sequence. Prerequisites: 225, 305.

483–9 (3,3,3) Introduction to Mathematical Statistics. A mathematical development of the elements of statistical theory. (a) Probability distributions, generating functions, and limit theorems. (b) Statistical inference; estimation, tests of hypotheses, general linear hypotheses. (c) Design of experiments and special topics—a mathematical model approach. Must be taken in a,b,c sequence. Prerequisite: 252b.

501–9 (3,3,3) Real Variables. A basic course in mathematical analysis. (a,b) The real number system; fundamental theorems in limits and continuity; open, closed, compact, and connected sets in Euclidean and metric spaces; the Riemann and the Riemann-Stieltjes integrals and functions of bounded variation; infinite series; uniform continuity; uniform convergence of series and improper integrals; arcs and curves; implicit function theorem; multiple integrals. (c) The general theory of measure and integration from an abstract point of view. Additive classes of sets, Borel sets, measurability, measure and outer measure; integrable functions, convergence theorems; absolute continuity and the Radon-Nikodym theorem; Fubini's theorem. Must be taken in a,b,c sequence. Prerequisite: 452c.

505–9 (3,3,3) Theory of Ordinary Differential Equations. Existence and uniqueness theorems; general properties of solutions; linear systems; geometric theory of non-linear equations; stability and control theory; self-adjoint boundary problems; oscillation theorems. Must be taken in a,b,c sequence. Prerequisites: 321, 452.

510–4 Foundations of Mathematics. A critical survey of the logical basis of mathematical systems. Deductive processes, mathematical proof theory, axiomatics, nature of model systems, principles of theory construction, views concerning the nature of mathematics. Prerequisites: 252b or consent of instructor.

520–9 (3,3,3) Modern Algebra. Displays some of the richness of algebra when mathematical systems other than the traditional one based upon the real numbers are considered. Abstract theory of groups, rings, and fields, with particular attention to examples from permutation groups, matrics, vecto

spaces, and polynomial and other function spaces; rational numbers and fields, complex numbers, unique factorization, algebraic number fields. Must be taken in a,b,c sequence. Prerequisite: 420.

530–6 (3,3) Point Set Topology. Topological spaces; denseness, category; open, closed sets, Borel sets; separation axioms; subspaces; continuity; lattice of topologies; countability axioms; connectedness, compactness, local properties; regularity to complete normality. Hilbert space, metrizable spaces; extension theorems; well-ordering; product spaces. Must be taken in a,b sequence. Prerequisites: 433, 501b.

536–3 Differential Geometry. Curvature, torsion, the Frenet formulas, and intrinsic equations of curves in three-dimensional Euclidean space; applications to kinematics. Curves on a surface; first and second fundamental forms; normal sections and Meusnier's theorem; mean and total curvature. Prerequisite: 452c.

540–4 [1] **Groups and Linear Transformations.** A study of groups with their connection with the movements of regular plane figures, matrics, vectors, determinants with their interpretation and use in analytic geometry, and ruler and compass constructions. Prerequisite: 440 or equivalent.

545–4 [1] **Intermediate Analysis for High School Teachers.** A rigorous development of differentiation and integration of continuous real functions. Topics include sequences, series, limits, real continuous functions, integrable functions. Topics include sequences, series, limits, real continuous functions, integrable functions on a closed interval. Prerequisite: consent of instructor.

550–1 to 10 Seminar. Supervised study and preparation of reports on assigned topics. Reports presented for class discussion. **(a)** Algebra. **(b)** Geometry. **(c)** Analysis. **(d)** Probability and Statistics. **(e)** Mathematics Education. Prerequisite: consent of instructor.

551–9 (3,3,3) Functional Analysis. The theory of linear transformations between infinitely dimensional topological vector spaces, including Banach and Hilbert spaces, with various applications. The basic notion for the study is that of a functional or continuous scalar-valued linear transformation. Must be taken in a,b,c sequence. Prerequisites: 421, 452.

555–9 (3,3,3) Complex Variables. Classical and modern analytic function theory, including Cauchy-Riemann equations, Cauchy-Goursat theorem, conformal mapping, normal families, Reimann mapping theorem, calculus of residues, analytic continuation, Riemann surfaces, entire functions. Must be taken in a,b,c sequence. Prerequisite: 452c.

575–9 (3,3,3) Advanced Topics in Numerical Analysis. Selected topics, such as numerical solution of ordinary and partial differential equations, the algebraic eigen-value problem, matrix iterative analysis, error propagation for difference methods, rounding errors in algebraic processes, and algorithms. Prerequisites: 421, 455.

576–9 (3,3,3) Advanced Topics in Applied Mathematics. Selected topics in mathematical physics, ordinary differential equations, partial differential equations, and/or computer related mathematics. Prerequisite: 421, 455 or 452.

580–9 (3,3,3) Mathematical Methods of Statistics. A presentation of probability and statistical inference based on an axiomatic approach and employing advanced mathematical concepts. Topics include the theory of measure and integration in R, foundations of probability, random variables and distributions in R, sampling distributions, tests of hypotheses, theory of estimation. Must be taken in a,b,c sequence. Prerequisites: 452, 455.

595–1 to 10 Special Project. An individual project, including a written report. **(a)** Algebra; **(b)** Geometry; **(c)** Analysis; **(d)** Probability and Statistics; **(e)** Mathematics Education.

599–1 to 9 Thesis. Minimum of 5 hours to be counted toward M.A. degree.

Music

401–3 Psycho-Physiology of Music. The essential human capacities, their relationship to musical potentials and development as well as with the acoustical foundations of the world of music.

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411–9 (3,3,3) Music Literature. (a) Symphonic: A study of the development of the symphony and the symphonic poem. (b) Choral: The literature of the larger vocal forms such as the cantata and oratorio. (c) Chamber Music: Study of chamber music from the Renaissance to the present.
420–1 Music Education Practicum. A shop-laboratory course dealing with the selection, adjustments, maintenance, and repair of musical instruments.
440–2 to 4 Private Applied Music.

a. Violin
b. Viola
c. Violoncello
d. String Bass
e. Flute
f. Oboe
g. Clarinet
h. Bassoon
i. Saxophone
j. Percussion
k. Piano
l. French Horn
m. Trumpet
n. Trombone
o. Tuba
p. Baritone
q. Voice
r. Organ
s. Harpischord
t. Harp
u. Classical Guitar

Applied music for graduate credit is offered at the 400 and 500 levels in the areas listed above. Credit is given at 2 to 4 hours per quarter on each level. May be repeated each quarter of graduate study. Students with concentrations in performance usually take 4 hours per quarter at the 500 level; concentrations in music education and all secondary concentrations usually take 2 hours at the 400 level. Prerequisite for 440 and 540: by audition or consent of the instructor.
442–6 (3,3) Contrapuntal Forms. (a) Analysis and creative writing in the style of Palestrina and his contemporaries and the contrapuntal-harmonic technique of Bach. (b) Analysis and creative writing of the larger imitative forms. Must be taken in a,b sequence. Prerequisite: 205c.
451–3 Teaching of General Classroom Music.
453–4 to 6 Workshop in Common Learnings in Music. Emphasizes commonality of learning concepts and philosophies of music education as evidenced by Dalcroze, Suzuki, Orff, Kodaly, and others. Intensive work in each of these areas and in-depth laboratory experiences. Recognized authorities in each of these areas serve as consultants.
455–2 to 6 Elementary Music Education Workshop.
461–6 (3,3) Teaching Techniques and Materials for the Beginning and Intermediate Levels. Designed to meet the needs of applied students in which the problems of private studio teaching and college level teaching are discussed.
465–3 Development and Teaching of Strings. Place and function of string education in the elementary and secondary schools. Techniques of heterogeneous and homogeneous string teaching. Developing and sustaining interest in the string program. Resource aids. Prerequisite: senior standing.
481–2 to 6 Readings in Music Theory.
482–2 to 6 Readings in Music History and Literature.
483–2 to 6 Readings in Music Education.
499–1 to 3 Independent Study. The capable student engages in original investigations with faculty specialists. May be repeated for credit. Prerequisite: consent of instructor.
501–3 Introduction to Graduate Study in Music. Basic bibliographical and historical research techniques in music theory, literature, and education.
502–9 (3,3,3) History and Analysis of Musical Style. Analysis of representative works chosen from the Baroque, Classical, Romantic, and Modern eras.
514–2 to 6 Collegium Musicum. Study and performance of early and rarely performed music. Prerequisite: graduate standing in music or consent of instructor.
515–3 Twentieth Century Literature. Survey of the life and works of Beethoven; emphasis upon the evaluation of his musical styles through analysis of representative works.
518–3 Pedagogy of Music Literature. Principles of teaching music literature and music appreciation courses at the college level.
519–9 (3,3,3) Vocal Pedagogy and Literature. (a) A study of vocal pedagogy with emphasis on the techniques and materials to be used with beginning voice students. (b) Advanced vocal pedagogy with related study of the history of singing and of the teaching of singing. (c) A survey of literature for solo voice and its relation to vocal pedagogy.

520–3 American Music. The development of music in America from colonial days to present.
522–3 Seminar: Music History and Literature. Advanced study in special periods of music history-literature.
535–3 Contemporary Idioms. Techniques of composition developed during the 20th century by composers of Europe and America.
540–2 to 4 Private Applied Music. (See 440.)
550–8 (4,4) Organization and Administration of the Music Education Program.
553–6 (3,3) Seminar in Materials and Techniques.
556–3 Advanced Conducting. Problems in score reading and interpretation. Laboratory conducting of larger ensembles.
560–2 to 6 Seminar in Music Education. Trends, current practices, philosophies of music education.
566–1 Instrumental Ensemble. Participation in a chamber or large ensemble for purposes of studying and performing literature in the field of the major instrument other than solo literature.
567–1 Vocal Ensemble. Participation in a chamber or large ensemble for purposes of studying and performing literature in the field of the vocal music other than solo literature. Includes madrigal groups, choral ensembles, women's chorus, etc.
599–3 to 9 Thesis.

Personnel and Industrial Relations

450–4 Personnel Administration. The functions of the personnel department in an organization; organization for personnel administration; factors affecting the efficiency of personnel; the managerial responsibility for effective personnel administration; personnel practices including recruitment, orientation, evaluation, transfer, promotion, dismissal, grievances, the personnel-centered approach contrasted to the task-centered approach. Case discussion and reports on selected topics assist in developing the varied responsibilities of the personnel function. Prerequisite: General Business Administration 340.
451–4 Labor Relations Law and Collective Bargaining. An analysis of labor relations legislation and the complex interrelations of management, employees, and labor unions, as well as of collective bargaining contracts, their scope, enforceability, and significance to labor relations. Cases and reports are incorporated. Prerequisite: General Business Administration 340.
452–4 Advanced Problems in Personnel Administration. Analysis of special problems of personnel administration in periods of rapid technological change. Case problems and reports are used to emphasize such pertinent areas as wage and salary administration, automation, unemployment, training, productivity, and the administration of technical and scientific personnel. Prerequisite: 450.
453–4 Advanced Problems in Industrial Relations. Exploration and development of labor, management, and government relations. A study of conflict and harmony between them as individual units and as a totality. Emphasis is placed on the internal grievance procedure and the roles of the National Labor Relations Board, Federal Mediation and Conciliation Service, arbitrators, and other tripartite bodies in industrial relations. Cases and reports are incorporated. Prerequisite: 451.

Philosophy

402–4 Hindu Thought. A historical survey of Indian philosophy from the Upanishads to Vedanta. Prerequisite: 302.
403–4 Buddhist Thought. An investigation of Buddhist philosophy from Theravada through Zen. Prerequisite: 302.
430–4 Symbolic Logic. Use of symbols as tools for analysis and deduction. Study of truth tables, Boolean expansions, propositional calculus and quantifiers, logic of relations, and their functions in logic systems.
443–4 Philosophy of History. Classical and contemporary reflections on the nature of history and historical knowledge as the basis for dealing with the humanities.

484–12 (4,4,4) History of Western Political Theory. (a) Ancient and Medieval. (b) Renaissance and Early Modern. (c) Recent. Sections may be taken separately.
490–2 to 12 Special Problems. Seminar for qualified seniors and graduate students to pursue specific topics in depth. Varied content. Prerequisite: consent of instructor.
495–2 to 12 Independent Readings. Independent study in philosophy on a tutorial basis. Prerequisite: consent of instructor and chairman.
502a–2 Methods of Teaching Philosophy. Examination of research tools and teaching aids available in philosophy. Preliminary analysis of the character of philosophy and its place in education. Formulation of course objectives; examination of teaching and testing techniques. To be taken in the first quarter of residency.
502b–2 Methods of Teaching Philosophy. Continuation of 502a. Conducted in conjunction with a practicum in which each student conducts basic philosophy classes under supervision. Designed to bear directly on the content and objectives of introductory courses in philosophy. To be taken near the end of residency. Prerequisite: 502a.
531–4 Plato. An intensive study of selected dialogues of Plato emphasizing the fundamental and continuing problems which they pose and the solutions which Plato advances.
535–4 Aristotle. An examination of representative works of Aristotle stressing root issues and the primary dimensions of the Aristotelian response to their challenge.
545–4 Rationalism. Readings from Descartes, Spinoza, and Leibniz, with emphasis on one of the three each time the course is offered. Designed to illustrate an important historical movement and one basic alternative in contemporary philosophizing.
546–4 Empiricism. Readings from Locke, Berkeley, and Hume, with emphasis on one of the three each time the course is offered. Designed to illustrate a second historical movement, critical of rationalism, which is a continuing option in contemporary thought.
560–4 Logic. Reflection on the nature of logic and its place in philosophy. Incorporates a comparative study of the essential features of traditional and symbolic logic, and a representative examination of the central role of logic in human thought and philosophizing. Prerequisite: 430 or equivalent.
565–4 Ethical Theory. Reflection on the nature and function of moral judgments and ethical standards. Supported by an analysis of selected texts and problems.
572–4 Seminar in the History of Philosophy. Study of a historical figure or movement not included in other courses. Intended to broaden historical and critical competence, and to serve as a supplement to other courses.
575–4 Seminar in the Problems of Philosophy. An intensive study of a single problem such as the mind-body problem, freedom vs. determinism, the a **priori** in knowledge, the problem of induction, etc. Topic is selected by instructor and faculty chairman.

Physical Education

402–4 Organization and Administration of Intramural and Extramural Activities. Planning intramural programs of sports; planning and coordinating extramural activities commonly associated with phyical education.
404–2 Workshop in Dance for In-Service Teachers. (Same as Theater 404.) History of dance, values of dance, interpretation of music for dance, teaching techniques and facilities, and fundamental dance movements leading to knowledge and command of dance skills.
420–4 Physiological Effects of Motor Activity. The general physiological effects of motor activity upon the structure and function of body organs; specific effect of exercise on the muscular system.
427–4 Physical Education and Recreation for the Handicapped. Characteristics of handicapped children as they affect the feasibility of physical education and recreation activities. Values of specific activities for certain types of children, and methods and materials for teaching physical education and recreation skills. Emphasis on activities suitable to classroom, home, and institution. Prerequisite: Counselor Education 305.

475–2 to 4 Individual Research. The selection, investigation, and writing of a research paper under the supervision of instructor.
476–2 to 4 Teaching Athletic Skills. Modern techniques of teaching skills, conditioning, and strategies; for prospective physical education teachers and coaches.
500–4 Techniques of Research. Critical analysis of research literature; study of research methods and planning research studies.
501–4 Curriculum in Physical Education. Principals and procedures for curriculum construction and revision; criteria for selecting activities and judging outcomes and the place of the physical education course of study within the total curriculum.
502–4 Foundations of Motor Skills. Application of physiological, kinesiological, and mechanical principles to intelligent control of large-muscle activities. Recommended background: a course in kinesiology.
503–4 Seminar in Physical Education. The course content and its procedures center around group discussions of controversial issues that currently exist in physical education and provide opportunities for practice in seeking unbiased solutions to professional problems.
504–4 Problems in Physical Education. Planning, conducting, and reporting original research studies. Prerequisite: consent of instructor.
509–4 Supervision of Health and Physical Education. The functions of supervision in physical and health education; basic principles and methods of supervision. Techniques and methods for increasing the effectiveness of the program at the elementary and high school levels.
525–4 Readings in Physical Education. Supervised reading in selected subjects. Open only to last quarter seniors and graduate students. Prerequisite: consent of instructor and faculty chairman.

Physics

404–3 Introduction to Statistical Mechanics. A brief treatment of the kinetic theory of gases; introduction to phase spaces and ensemble theory. Shows the connection between mechanical and thermodynamic concepts. Obtains a statistical interpretation of thermodynamic processes. Prerequisite: 301, 304 or consent of instructor.
415a–4 Wave Mechanics. Cites the evidence for a need of a new "quantum theory." Considers the Schroedinger equation, and the Born interpretation of the wave function. Develops the theory of quantum harmonic oscillators, the rigid rotator, and hydrogen-like atoms. Develops perturbation theory and a description of radiation from atomic systems. Prerequisites: 300a, Mathematics 305.
415b–4 Atomic Physics. Exploits the theoretical considerations developed in 415a by considering their application to the study of atomic and molecular systems. Prerequisite: 415a.
415c–4 Nuclear Physics. A systematic discussion of the properties of the atomic nucleus. Examples of the application of wave mechanics to the study of the nucleus. A consideration of nuclear forces, subnuclear particles, and nuclear models. Prerequisite: 415a.
418–1 to 4 Modern Physics Laboratory. Advanced laboratory work with pulsed and continuous lasers and optical detectors, nuclear magnetic resonance, nuclear spectroscopy, vacuum techniques, mass and beta spectroscopy, and semiconductor physics.
419–8 (4,4) Introduction to Theoretical Physics. Discussion and application of a variety of mathematical techniques to problems selected from the area of theoretical physics. (a) Treatment of solutions of the homogeneous partial differential equations of theoretical physics in the presence of boundaries. (b) Treatment of inhomogeneous equations and the comparison of the eigenvalue problem in a matrix representation with that in the function space representations. Prerequisites: 300a, Mathematics 305a.
420–2 to 5 Special Projects. Each student is assigned to a definite investigative topic. Adapted to advanced undergraduate students. Prerequisites: 301, 305.
435–3 Plasma Physics. Basic equations and conservation laws; first order orbit theory with applications to static and dynamic problems; small amplitude plasma waves; hydromagnetic shocks; collision effects; diffusion across a magnetic field; stability; coupling of plasmas and radiation. Prerequisite: 305.

445–8 (4,4) X-Ray Crystallography. (a) Symmetry elements, development of space groups, reciprocal space, geometrical theory of diffraction, determination of lattice parameters, Fourier representations of periodic structure. (b) Production of X-rays, kinematical theory of X-ray diffraction, diffraction techniques, factors affecting the intensity of reflections, extinction contrast methods, introduction to the dynamical theory. Must be taken in a,b sequence. Prerequisite: 300.
450–4 Introduction to Solid-State Physics. A study of the fundamentals of solid-state physics including classification of solids, interatomic and intermolecular forces, lattice energies, specific heats, lattice dynamics, free electron theory of metals, lattice defects, color centers, luminescence, magnetic materials, radiation damage, transport in ionic crystals. Fermi-Dirac statistics, Fermi distribution, and semiconductors. Prerequisites: 305, 415a.
510–9 (3,3,3) Classical Mechanics. Variational principles and Lagrange's equations; rigid body motion; special relativity; canonical equations, small oscillations including non-linear problems; perturbation methods; classical theory of fields. Prerequisite: 301.
530–9 (3,3,3) Electromagnetic Theory. Maxwell's Formalism of classical electromagnetism, application of electrostatics, magnetostatics, electrodynamics, and radiation problems. Prerequisite: 305.
531–9 (3,3,3) Quantum Mechanics. Wave mechanics, matrix mechanics, transformation theory of quantum mechanics; angular momentum, perturbation theory, scattering theory. Prerequisites: 415, Mathematics 407 or consent of instructor.
540–3 Nuclear Physics. General nuclear properties, two body problems, nuclear forces, discussion of various models, reactions, and radioactive decay. Prerequisite: 415.
560–3 Statistical Mechanics. Classical statistical mechanics, ensemble theory, quantum statistical mechanics with applications. Prerequisites: 404, 415.
570–3 Solid State Physics. Basic theory of the solid state including diamagnetism, ferromagnetism, paramagnetism, band theory, semiconductor theory, and superconductivity. Prerequisites: 415a,b, 450.
575–1 to 4 Graduate Seminar. Lectures on special topics to be given when a demand arises. Prerequisite: consent of instructor.
580–3 to 6 Selected Topics in Physics. Topics of special interest. Prerequisite: consent of instructor.
590–1 to 9 Research in Physics (Thesis). 1–5 hours each quarter. Prerequisite: consent of faculty.

Production

460–4 Production Management. Analysis of the basic functions of manufacturing films. Student's work on a project of their choice in conjunction with lectures and class discussions. Blueprint reading, equipment and tools, plant layout, product flow, materials handling, quality control, cost control, production control, methods engineering, product engineering, inventory control, the use of PERT, and financial concepts as related to production management. Several plant visits. Prerequisite: General Business Administration 340.
461–4 Methods Design and Work Measurement. Design of work systems, methods, and techniques employed in the measurement of work. Emphasizes current philosophy underlying improvement of work methods and procedures used to measure work performed. Covers four major areas: methods design, standardizing the operation, work measurement, and training the operator. A number of projects correlating with the course material are assigned. Prerequisite: 460.
462–4 Production Planning and Control. Analyzes and describes the recurrent problems of managing the flow of materials, services, and information produced in response to changes in market demand. Emphasizes the top-level decisions necessary to plan and control operations so that customers are served on time and penalty costs are minimized, as well as the decisions made by middle and first line managers in regard to scheduling and controlling, purchasing, production, and distribution. Selected decision-making techniques are analyzed and evaluated from the production manager's point of view. Prerequisite: 460.

463–4 Advanced Production Management. Examines the operating decisions that confront the managerial and supervisory production personnel of large, medium, and small scale manufacturing firms using a variety of production processes. Emphasizes decision-making leading to the solution of production operating problems, and to the formulation of plans of action. Assigned cases provide a view of the types of decisions involved in planning, organizing, coordinating, integrating, and controlling resources so that production goals may be realized. Prerequisites: 460, 461, 462.

Psychology

404–4 Theories of Perception. An examination of the different theories concerned with an organism's sensory contact with his environment. Physiological, social, and organizational theories of perception are considered. Prerequisite: 312 or consent of instructor.
406–4 Learning Processes. Processes by which individual behavior is changed, using procedures developed in the learning laboratory. Introduction to major concepts and data of learning. Prerequisite: 311 or consent of instructor.
407–4 Theories of Learning. A consideration of the major contemporary learning theories and their relation to experimental data. Prerequisite: 406 or consent of instructor.
408–4 Theories of Motivation. An examination of instinct theories, biological drives, emotions, social motives, and psychodynamic theories as they contribute to a comprehensive psychology of motivation. Prerequisite: 313 or consent.
409–4 History and Systems. Study of the important antecedents of contemporary scientific psychology. Considers issues, conceptual developments, and research advances, and presents the major schools and systems. Prerequisite: signed consent of psychology adviser.
420–4 Experimental Analysis of Behavior. Examination of the principles of respondent and operant conditioning in human and animal behavior. Lecture and laboratory. Prerequisite: 201c.
421–4 Psychological Tests and Measurements. Principles of psychological measurement, including errors of measurement, techniques for estimating reliability and validity, techniques of test construction, and problems in assessment and prediction. The laboratory includes the use of selected instruments. Lecture and laboratory. Prerequisite: 211b, consent of instructor.
431–4 Psychopathology. Classification, description, etiology, and treatment of the disorders of personality organization and behavioral integration. Observations in a state mental hospital setting. Prerequisite: 305 or consent of instructor.
432–4 Mental Hygiene. An integration of psychological knowledge and principles concerning factors and conditions affecting the individual which tend to facilitate or determine health.
440–4 Theories of Personality. A review and critical evaluation of major personality theories and their supporting evidence. Prerequisite: 305 or consent of instructor.
451–4 Advanced Child Psychology. An examination of the concepts, methods, and problems of human development with consideration of both its psychobiological and psychosocial aspects. Prerequisite: 301 or 303 or consent of instructor.
461–4 Advanced Social Psychology. Examines current areas of interest in the study of social behavior: language behavior, communication, social influence, attitude change, interpersonal perception, etc. Emphasis is on the individual in the social context. Prerequisite: 307 or consent of instructor.
465–4 Group Dynamics and Individual Behavior. Examination of research and theory in the area of small-group interaction. Examines such topics as group structure and function, group problem-solving, leadership, etc. Prerequisite: 307 or consent of instructor.
471–4 Work Methods and Measurement. Analysis and evaluation of jobs and the measurement of work performances by the use of standard time tables. Prerequisite: 320 or consent of instructor.
473–4 Personnel Psychology. Psychological methods in selection, placement, evaluation, and criterion development. Emphasis on principles and techniques with some examples of application in decision-making in business and industry. Prerequisite: 320 or consent of instructor.

474–4 Psychology of Employee Relations. A study of job satisfaction and morale, psychological aspects of labor relations, industrial counseling, interviewing methods, human relations, and social and organizational variables as they affect psychological climate in employee relations. Prerequisite: 320 or consent of instructor.

479–4 Psychology of Industrial Conflict. Consideration of social and psychological factors underlying controversies between workers and management. Prerequisite: 320 or consent of instructor.

490–1 to 8 Independent Projects. Independent readings and projects in psychology. Prerequisite: consent of instructor and faculty chairman.

495–1 to 18 Seminar: Selected Topics. Varied content. To be offered from time to time as need exists and as faculty interest and time permit. Prerequisite: consent of faculty chairman.

501–12 (4,4,4) Proseminar in General Psychology. Basic conceptual and methodlogocial problems in the study of behavior. **(a)** History and systems of psychology, philosophy of science, scientific methodology, behavior theory. **(b)** Personality and individual differences, new conceptual and methodological developments and trends. Must be taken in a,b,c sequence. Prerequisite: consent of instructor. Open to students in other areas by consent of faculty chairman.

512–4 Sensory Processes. A study of the structure and functions of the sense organs. Emphasis on the psychological data which describe the function of these organs. Lecture and laboratory. Prerequisite: consent of instructor.

514–8 (4,4) Physiological Psychology. Study of neural and endocrine mechanisms underlying behavioral processes. Lecture and laboratory. Prerequisite 314 or consent of instructor.

520–4 Research Design and Inference I. Study of elements of probability, design, and analysis of simple experiments including t and F tests; selected non parametric tests and multiple regression analysis. Prerequisite: 211b or Counselor Education 420.

521–4 Research Design and Inference II. Design and analysis of factorial experiments including analysis of variance models, analysis of covariance, and of Latin square design. Prerequisite: 520.

522–4 Research Design and Inference III. Advanced design and analysis of psychological experiments. Analysis of variance in complex designs, analysis of covariance, and trend analysis. Prerequisite: 521.

530–4 Personality Theory and Dynamics. Intensive treatment and critical analysis of several representative approaches to personality. Consideration also of important personality concepts common to most theoretical approaches. Prerequisite: 440, consent of instructor.

531–2 to 4 Advanced Psychopathology. Consideration of special topics, including psychological theories of the nature and etiology of human pathology, assessment of pathology, and institutional care and treatment. Includes extensive field experience in a mental hospital setting. Prerequisites: 431, consent of instructor.

537–4 Counseling and Psychotherapy. Systematic presentation of major approaches to counseling and psychotherapy. Consideration of salient aspects of the therapeutic situation and of the process and nature of changes during psychotherapy. Critical evaluation of both theory and practice. Consideration of research findings and problems. Prerequisites: 530, consent of instructor.

541–6 to 8 (4, 2 to 4) Psychodiagnostics I. Introduction to clinical psychology with attention to the function and clinical use of individual intelligence tests. Theories of intelligence and related research. Age scales with emphasis on infant and child testing. Point scales and tests of deterioration with emphasis on child and adult testing. Lecture and practicum. Prerequisites: 421, consent of instructor.

543–8 (4,4) Psychodiagnostics II. Basic theory and assumptions underlying projective methods. Use of projective techniques as measures of personality and as tools for clinical diagnosis and research. **(a)** Thematic projective techniques. **(b)** Rorschach and Bender-Gestalt. Lecture and practicum. Prerequisites: 530 or 531, 541 and consent of instructor.

552–4 Experimental Child Psychology. Consideration of relationship of methodology to child theory, typical methodological procedures and problems specific to children, and representative research topics. Prerequisite: 451 or consent of instructor.

556–2 Psychological Treatment of the Child. Investigation of personality an

behavior problems. Etiological factors and methods of treatment. Prerequisite: 451 or consent of instructor.

561–4 Social Influence Processes. Critical review of theoretical and empirical developments in the study of influence processes, attitude change, etc. Social and intrapersonal determinants are examined. Prerequisite: 461 or consent of instructor.

564–4 Communication and Group Behavior. Emphasis on language behavior and the psychological study of the communication process. Examines theories, methods, and research in these areas. Prerequisite: 461 or 465 or consent of instructor.

571–4 Industrial Motivation and Morale. A review of the factors which determine motivation and morale as well as their measurement and evaluation. Prerequisite: 320 or consent of instructor.

590–1 to 16 Readings in Psychology. Readings in selected topics in psychology under staff supervision. Prerequisite: consent of chairman.

591–1 to 36 Research in Psychology. Research under staff supervision in selected areas of psychology. Prerequisite: consent of chairman.

593–1 to 18 Practicum in Psychology. Practicum experience in a professional setting is offered under staff supervision in the following areas: **(e)** Clinical Psychology, **(f)** Counseling Psychology, **(h)** Industrial Psychology, **(j)** Child Psychology, **(k)** Community Health Psychology, **(l)** Teaching of Psychology, **(s)** School Psychology.

598–2 Ethical and Professional Problems in Psychology. Problems in the professional practice of psychology and in teaching and research. Professional ethics, relations to other professions and the public, organization and structure of the field, current trends. Prerequisite: major in psychology or consent of instructor.

599–1 to 9 Thesis.

Quantitative Methods

510–4 Statistical Analysis for Decision-Making. Statistical techniques applicable to business including distributions of one variable, index numbers, time series, multivariate distributions. Introduction to probability, sampling, estimation with confidence intervals, tests of hypotheses, regression, and correlation. Restricted to Master of Business Administration students.

511–4 Quantitative Methods for Decision-Making. Modern mathematical techniques applicable to business problems. Set theory, finite mathematics, and calculus. Restricted to Master of Business Administration students.

Rehabilitation

480–2 Introduction to Rehabilitation. A survey of the philosophy, procedures and practices underlying the rehabilitation movement, including the history and legislation that have contributed to its rapid development.

511–2 to 4 Vocational Developments and Occupational Choice. The psychosocial meaning of work, vocational development and theory of occupational choice, and the analysis of the labor market now and in the future. Prerequisite: consent of instructor.

519–2 Selection, Placement, and Follow-up. A survey of current methods and criteria used in job development, selective placement, and follow-up of handicapped and deprived individuals. Prerequisite: consent of instructor.

531–2 Vocational Appraisal. Consideration of tests and procedures used in assessing the individual's functioning abilities and the meaning work has in achieving fulfillment, which also includes the requirements of the job for purposes of aligning the two. Prerequisite: 511 or consent of instructor.

541–2 Medical Aspects of Rehabilitation. A review of human systems, disfunctions leading to major diseases entities and injuries, and the implications for rehabilitation. Prerequisite: consent of instructor.

561–2 Psycho-Social Aspects of Disability. An examination of the socio-emotional impact of traumatic injury or chronic illness (on human functioning) and its role in the rehabilitation process. Prerequisites: 421, consent of instructor.

580–1 to 6 Practicum in Rehabilitation Services. Familiarization with the functions of various rehabilitation settings through observation and participation

in those activities—usually one day per week. Prerequisite: consent of instructor.
585–1 to 16 Practicum in Rehabilitation Counseling. Practice in developing counseling skills under close supervision in a variety of settings.
589–0 to 12 Internship in Rehabilitation. Full-time practice in a rehabilitation setting supervised by both agency personnel and university faculty. Prerequisites: 585, consent of department.

Science and Technology

400–3 Concepts of Classical Physics. Classical physics from a phenomenological point of view and at a level which does not require a previous course in the calculus. Primarily for teachers of the physical sciences; subject matter is related to texts and materials available in the teachers' own schools.
401–10 (5,5) Classical Mechanics. A systematic treatment of mechanics which assumes only a modest background in algebra. Emphasis on those concepts which historically were defined for mechanical systems but which have proven important in all areas of physics.
402–4 Modern Physics. The development of physics in this century. For teachers of the physical sciences. Emphasis on the phenomena which led to the formulation of quantum theory in the twenties. A qualitative discussion of atomic and nuclear physics. Prerequisite: 400 or Physics 206.
403–6 (3,3) Experiments and Techniques of Physics. Conducting of experiments and consideration of equipment for teaching physics at the pre-college level. Lectures on experimental techniques.
406–10 (5,5) Mathematical Physics for Teachers. Mathematical topics from trigonometry, analytical geometry, the calculus, and applied mathematics with regard to their usefulness in describing physical concepts such as work, power, energy, and potential.
415–1 to 3 Instructional Innovation for the Physical Sciences. A variety of subject matter with regard to its order of presentation in a course, the type of plausibility arguments most successful in a "derivation," the types of demonstrations most appropriate to the subject matter, and the relation of laboratory work to the lecture content.
505–9 (3,3,3) Concepts of Electricity and Magnetism. Electricity and magnetism from a phenomenological point of view and at a level which does not require a previous course in the calculus. Primarily for teachers of the physical sciences. Prerequisite: Physics 206.
510–3 Physical and Geometrical Optics. The properties of electromagnetic radiation and its interaction with matter. The property of lens systems, as well as the interference, diffraction, and polarization of waves. Holography, lasers, microwaves, and the "new optics" in terms of the secondary school curriculum.
511–2 Optics Laboratory. Experimental geometric and physical optics of microwave and optical frequencies. Holography, lasers, and spectroscopy as well as lens systems and interferometry. Prerequisite: concurrent enrollment in 510.

Secondary Education

407–4 The Junior High School. The place of the junior high school in the organizational pattern, with major emphasis upon the areas of organization, administration, and curriculum.
440–3 to 4 Teaching Reading in High School. A foundation course in how to teach reading in junior and senior high school: developmental and corrective reading programs; appraisal of reading abilities; methods and materials of instruction. Prerequisite: Counselor Education 305.
480–4 Backgrounds of Urban Education. (See also Educational Administration 480 and Elementary Education 480.)
487–4 Teaching the Natural Sciences in Secondary Schools. Objectives of science education; instruction methods and techniques appropriate for teaching science; desirable equipment, audio-visual aids, and instructional material development of a course outline and at least one instruction unit. Prerequisite 315 or consent of instructor.

488–4 Teaching Social Studies in Secondary Schools. Objectives, scope, and sequence of curriculum; methods of teaching different courses and age groups; materials; and evaluation. Prerequisite: Counselor Education 305.

505–4 Improvement of Reading Instruction. (See Elementary Education 505.)

507–2 to 4 Readings in Reading. Independent reading; acquaintanceship with the literature and research in reading. Conference periods. Prerequisites: 505, consent of instructor.

508–4 Seminar: Trends in Selected Areas in Secondary Schools. For students in advanced graduate work. Individual class members read basic bibliography related to secondary education and read widely about trends in the area of their own teaching fields. Prerequisites: completion of half or more of the work leading to a master's degree, consent of the instructor.

509–4 to 8 Practicum in Reading. For advanced students; teaching demonstrations and evaluations. Each student works with a group of reading disability cases. Prerequisites: 521a,b,c and consent of instructor.

513–4 Materials and Methods for the Assessment of the Disabled Reader. General survey of causes of reading disabilities. The development of competencies in the administration and evaluation of materials and methods for use with the disabled reader. Both group and individual instruments are included. Prerequisite: 505.

514–4 Organization and Administration of Reading Programs. For reading specialists, principals, supervisors, consultants. Recent trends in elementary and high school reading programs, providing reading instruction for total school population, materials and equipment, in-service training, role of the reading specialist. Problems of class members are studied and discussed. Prerequisites: Educational Administration 505, 561.

518–2 to 4 Supervision of Student Teachers.

521–12 (4,4,4) Diagnosis and Correction of Reading Disabilities. Causes of reading difficulties; observation and interview procedures; standardized tests, instruments, and informal inventories; analysis techniques; experiences in preparing materials for corrective purposes. Each student diagnoses and treats a reading disability case under supervision. Prerequisites: 440 or 505 or concurrent registration with 505, and teaching experience.

550–4 Core Curriculum in the Secondary School. Designed to help students gain a functional understanding of the core concept. Techniques of selecting materials and the cooperative planning of units of work. Critical study of current practices in this field. Prerequisite: Educational Administration 460.

553–2 to 12 Practicum in Urban Education. (See Educational Administration 553.)

562–4 The High School Curriculum. Designed to permit students to work in groups on problems related to the high school curriculum. Such problems should originate in the schools where the students are or will be employed. The point of view maintained is that procedures should be very domestic. The instructor serves as a coordinator of activity; resource people are used freely. Prerequisite: one other graduate course in curriculum.

564–4 High School Principalship. Problems met specifically by the high school principal. Emphasizes his role in relation to guidance, curriculum, schedule-making, extracurricular activities, public relations, budgeting of time, etc. Prerequisites: Educational Administration 424, consent of instructor.

567–12 (4,4,4) Teaching Competencies and Their Application. Individualized and flexible group study of teaching behavior in competency centers. Skills are developed, applied, and tested in simulated or field settings.

570–1 to 4 Extra-Class Activities. Cocurricular activities of the junior and senior high school including intramural and interscholastic functions.

575–2 to 4 Individual Research. The selection, investigation, and writing of a research topic, under the personal supervision of a member of the departmental graduate staff, in one of the following areas: **(a)** Curriculum, **(b)** Supervision, **(c)** Language Arts, **(d)** Science, **(e)** Reading, **(f)** Social Studies, **(g)** Problems in Secondary Education, **(h)** Higher Education, **(j)** Junior College.

580–4 Research Seminar in Urban Education. Investigations in problems of teaching strategies and learning in inner city classrooms. Inquiries include review of existing relevant research as well as the design and testing of new research methodologies. Must be in last half of master's program or beyond. Prerequisite: consent of instructor.

591–4 Workshop in Current Problems in Secondary Education. Designed pri-

marily to help high school principals to work effectively and with the help of resource leadership on the most urgent problems confronting their schools. Discussion, reports, lectures, and final examination. Prerequisite: consent of instructor.

596–5 to 9 Independent Investigation. A field study required of each student working for the Sixth-Year Specialist's Certificate. The work should be done in the setting of a school system where the student is employed or where full cooperation is extended. The study involves selecting of the problem, survey of pertinent literature, recording of results, and appropriate interpretations and summarizations.

597–1 to 3, 598–1 to 3, 599–1 to 3 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Social Welfare

481–4 Processes in Social Work. Theory, rationale, and practice of casework, group work, social welfare organization, and the roles of supervision, administration, and research in relation to each. Case material study and discussion with field observation and practice. Prerequisite: 375 or consent of instructor.

482–8 (4,4) Social Work in Selected Agencies. Study of representative literature on casework in family, psychiatric, medical, school, military, child welfare, and correctional settings, and others. Case material study and discussion with field observation and practice. Prerequisite: 481.

Sociology

405–4 Current Sociology. A survey of important trends in contemporary sociology and social thought and an examination of the social organization of sociology as a profession. Prerequisite: 301 or 312 or 321 or consent of instructor.

406–4 Social Change. Processes of social change in the modern world; culture lag and conflict of norms; individual and social problems arising from conflicting systems of social values and cultural norms. Prerequisite: GSB 201b or 301.

410–8 (4,4) Quantitative Methods in Sociology. Statistical and computer research techniques for sociologists.

420–4 Social and Cultural Aspects of the Afro-American Experience. An examination of the experiences of black people in America; a comparison of the African cultural modes of their origin and the essentially European cultural modes black people encounter in America; the economic, political, and social factors in past and current Afro-American history. Prerequisite: 301 or 312 or 321 or consent of instructor.

424–4 Collective Behavior. The behavior of people in large groups; collective interstimulation and emotions; crowds, audiences, and publics; mass stimul and mass response. Prerequisite: 321 or 322, or consent of instructor.

426–4 Social Psychology of Interpersonal Relations. The study of how group situations and interpersonal relations affect beliefs, behavior, and personality the development of concepts, attitudes, and values; theories of motivation perception, and cognition as related to social processes. Prerequisite: 301 or 312 or 321 or consent of instructor.

427–4 Sociology of Deviance. Comparative theoretical orientations to the study of deviance; the relationship between deviant and conforming behavior deviance as a social product; the effect of societal reaction on deviance; the development of deviant subcultures; selected deviances. Prerequisite: 301 or 312 or 321 or consent of instructor.

435–4 Social Inequality. Social inequality with respect to status, income, and power as these vary among societies. Factors affecting the degree of inequality in a society and the consequences of inequality and social class on individuals and societies. Prerequisite: 301 or 312 or 321 or consent of instructor.

436–4 The Social Structure of the United States. An examination of the social structure of the United States with special attention to the structures of government, the military, and the economy. Prerequisite: 301 or consent of instructor.

438–4 Sociology of Occupations. Natural history and institutional aspects o

occupations in our society, cultural context of occupations in both primitive and modern society, preparation for jobs, human values in work, promotion and discharge, mobility, retirement. Prerequisite: GSB 201b or 301.

439–4 Medical Sociology. An analysis of the sociological factors in illness and health and the role of medicine and the health professions in modern society. Prerequisite: 301 or consent of instructor.

451–4 Social Thought: The Sociological Movement. The rise and development of sociological reasoning as a response to the Industrial Revolution. Prerequisite: 301 or 312 or 321 or consent of instructor.

453–4 Social Movements. A sociological study of modern social movements; social and cultural backgrounds, forms of expression and organization; social structure of social movements, their role and function in modern society. Prerequisite: GSB 201b or 301.

470c–4 Urban Planning. (See Geography 470c.)

472–4 Treatment and Prevention of Crime. A survey of the correctional field covering probation, institutional treatment, and parole: their historic development, organizational structure, program content, and current problems. Prerequisite: 372 or consent of instructor.

474–4 Crime and the Legal Process. An analysis of the administration of criminal law in America. The emergence of legal norms, law enforcement, prosecution, trial and sentencing, with consideration of the impact of legal sanctions on deviant behavior. Prerequisite: 372.

484–4 Marriage Counseling. Survey and analysis of the field of marriage counseling; assessment of current practices and techniques; case studies and supervision. Prerequisite: consent of instructor.

485–6 Community Programs for the Prevention of Juvenile Delinquency. Analysis of delinquency prevention in community programs administered by the public schools, social welfare, governmental agencies. A study of the categories of juvenile delinquency is applied to a critique of existing programs and to the development of experimental programs. The roles of professional workers pertinent to such programs are delineated with special reference to the public school administration, counselor, the social workers, the court, probation officers, and police. Prerequisite: consent of instructor.

501–4 Survey of Sociological Theory. The nature and types of sociological theory; methodological and substantive issues; the critical analysis of selected contemporary theories. Prerequisite: consent of instructor.

504–4 Seminar in American Sociology. A survey of development of American sociology from its beginnings in the late 19th century to the present. Prerequisite: 501 or consent of instructor.

506–4 Seminar in Contemporary Sociological Theory. An analysis of recent sociological theories, including a survey of current approaches to the construction and application of systematic theoretical models. Prerequisite: consent of instructor.

519–4 Methodological Foundations of the Social Sciences. Social science methodology; the nature of social facts and phenomena, the formation of concepts, the application of logic in the social sciences. Prerequisites: 407, and Philosophy 420 or consent of instructor.

521–4 Seminar in Social Psychology. Survey of theoretical systems; progress toward integrated body of behavioral theory. Prerequisite: 426.

525–4 Methods of Field Research. The application of field methods to sociological research. Special properties of field situations, techniques of participant observation and field interviewing, and the strategy of field research. Prerequisite: consent of instructor.

534–4 Seminar in Intergroup Relations. Cross-cultural study of inter-ethic and inter-faith relations, with attention to conflict, accommodation, acculturation, assimilation. Prerequisite: 15 hours of sociology or consent of instructor.

536–4 Seminar in Bureaucracy. Analysis of the structural characteristics and conditions for the emergence of bureaucratic and quasi-bureaucratic forms of organization. Attention to such problems as the basis of authority, stabilizing mechanisms, systems of formal and informal relations, and rationality and paradox in bureaucratic organization. Prerequisite: consent of instructor.

538–4 Seminar in Industrial Sociology. Selected aspects of industrial organization and related problems including such topics as functional and dysfunctional deviations from ideal bureaucracy, promotion policies, labor relations, job aptitudes, job satisfactions, and public relations. Prerequisites: 15 hours of sociology, consent of instructor.

542–4 Seminar on the Family. The family as a field of sociological study. As sessment of significant historical and contemporary writing. Prerequisite: 1 hours of sociology including 340, or consent of instructor.
567–4 Seminar in the Sociology of Deviance. Theoretical approaches to such phenomena as drug addiction, mental illness, sexual variances, suicide, and criminal behaviors, with emphasis on cross-cultural, historical, and empirical data. Prerequisite: 427 or consent of instructor.
578–4 Advanced Criminology. Critical study of important research and the oretical analyses in the field of crime and social control. Prerequisite: 372
595–2 to 6 Individual Research. Supervised research projects. Open only to graduate students with a concentration in sociology. Prerequisite: graduate status.
596–2 to 12 Readings in Sociology. Supervised readings in selected subjects Prerequisite: consent of instructor and faculty chairman.
599–2 to 9 Thesis. Prerequisite: consent of faculty chairman.

Special Education

410a–4 Problems and Characteristics of the Emotionally Disturbed Child Diagnosis, screening, classroom management, placement considerations, goals and the effective use of ancillary services. Emphasis on the understanding of maladaptive behavior through principles of learning and behavior dynamics Prerequisite: Psychology 301 or 303, or consent of instructor.
410b–4 Problems and Characteristics of the Mentally Retarded Child. Educationally significant characteristics including cognitive, emotional, and sociological considerations. Problems of definition, screening, diagnosis, classification systems, and classroom management are considered. Prerequisite: Counselor Education 305 or 414.
410c–4 Problems and Characteristics of the Gifted Child. Designed to help teachers in the identification of and programming for gifted and talented children. Prerequisite: Psychology 301 or 303 or consent of instructor.
410g–4 Problems and Characteristics of the Learning Disabled Child. Study of the child with a wide discrepancy between ability and achievement, accompanied by serious educational maladjustment. Emphasis on definition identification, diagnosis, individualized remedial programs, and placement Prerequisite: 414.
413a–4 Directed Observation of Emotionally Disturbed Children. Student observation and participation in group and individual work with emotionally disturbed children. Often taken concurrently with 410a. Prerequisite: consent of instructor.
413b–4 Directed Observation of the Educable Mentally Handicapped. Student observation and participation in group and individual work with mentally retarded children. Often taken concurrently with 410b. Prerequisite: consent of instructor.
413c–4 Directed Observation of the Gifted. Student observation and participation in group and individual work with gifted children. Often taken concurrently with 410c. Prerequisite: consent of instructor.
414–4 The Exceptional Child. Physical, mental, emotional, and social traits of all types of exceptional children. Effects of handicaps in learning situations Methods of differentiation and techniques for rehabilitation. Individual case studies used; observations and field trips. Prerequisite: Psychology 301 or 30 or consent of instructor.
420a–4 Methods and Materials in the Education of the Emotionally Disturbed Offered in conjunction with practice teaching. Methods and materials needed in teaching emotionally disturbed children in special education programs Prerequisites: 410a, consent of instructor.
420b–4 Methods and Materials in the Education of the Educable Mentally Handicapped. Usually offered in conjunction with practice teaching. Methods and materials needed in teaching educable mentally retarded in special education programs. Prerequisites: 410b, consent of instructor.
420c–4 Methods and Materials in the Education of the Gifted. Offered in conjunction with practice teaching. Methods and materials needed in teaching gifted children. Prerequisite: 410c.
427–4 Physical Education and Recreation for the Handicapped. (See Physical Education 427.)

428–4 Speech Correction for the Classroom Teacher. (Same as Speech Pathology and Audiology 428.) Etiology and therapy of common speech defects. Open to in-service teachers, seniors, and graduate students in education.
430–4 Behavior Modification in Special Education. The application of learning theory to the management of behavior in retarded, emotionally disturbed, and other exceptional children. Prerequisites: 414, Psychology 420.
481a–4 Seminar: Emotionally Disturbed. Focuses on classroom management, dynamics of behavior, and behavior modification through a systematic learning theory approach. Prerequisites: 410a, consent of instructor.
481b–4 Seminar: Educable Mentally Handicapped. Emphasizes special problems of the retarded, issues in curriculum planning, and implementation and techniques for establishing effective school-home and school-community relations as they apply to retarded children. Prerequisites: 410b, consent of instructor.
481c–4 Seminar: Gifted. Considers issues such as special courses, regular class placement of the gifted, curriculum provisions, identification and guidance of the gifted. Prerequisites: 410c, consent of instructor.
496–1 to 8 Readings and Independent Study in Special Education. Study of a highly specific problem area in the education of exceptional children. Open only to selected seniors and graduate students. Prerequisites: 414, consent of staff.
501–4 Special Research Problem. For majors and minors in the field of special education. Choosing and conducting research activities. The student to select a topic for research and present it, upon completion, to the staff. Prerequisite: consent of staff.
513–4 Organization, Administration, and Supervision of Special Classes. Emphasis upon the functions, underlying principles, and cautions to be observed in the organization and administration of special classes. The selection and training of teachers, problems of supervision, special equipment, transportation, cooperating agencies, and legal aspects of the problem. Prerequisite: 414.
517–4 The Atypical Child and Social Agencies. A survey of social agencies contributing to the welfare and care of exceptional children. Emphasis given to services rendered and to methods of contact and cost. Visits made to agencies and institutions. Specialists invited to appear before the class.
518–4 to 8 Workshop in Special Education. Designed to promote better understanding of the psychological and educational problems of atypical children. Specialists used as consultants. Open to graduate students majoring in education, counselor education, or special education. Prerequisite: 414.
570–2 Seminar: Vocational Guidance of the Handicapped.
571–2 Special Problems of the Handicapped I.
572–2 Special Problems of the Handicapped II.
577–4 to 12 Practicum in Special Education. Supervised experience in school or institution programs for atypical children. Special research project. Open to graduate students only. Prerequisite: 410a or b or consent of staff.
580–8 (4,4) Seminar: Education of Exceptional Children.
590–12 (4,4,4) Seminar: Mental Retardation. Critical review of administrative practices, research, theories and etiological factors relevant to programs in the education of children who are mentally retarded or gifted. Implications of research in related disciplines. Application of theories to practice. Open to advanced graduate students in special education only. Prerequisite: consent of instructor.

Speech

406–4 Teaching Speech in Secondary Schools. Philosophy of speech education, and effective teaching of speech through curricular and extra-curricular work. Prerequisite: 16 hours of speech.
407–8 (4,4) History of American Public Address. Critical studies of American speakers; selected speakers and speeches which reflect the dominant social and political ideas in America history. A lecture, reading, and discussion course. May be taken separately.
408–4 Psychology of Speech. Nature and development of speech, its basic psychology, and the part speech plays in personality development.
417–4 Contemporary Public Address. A critical study of speakers and speeches selected to present the characteristic ideas of leading social and political

developments in national and international affairs since 1918. Lectures, reading, and discussion.

418–4 British Public Address. Critical study of British speakers to c. 1920. Selection of material is governed both by men and the issues that moved men throughout British history.

427–4 Secondary School Forensic Program. Coaching and organizational methods for extracurricular and curricular forensic programs in school and college. Prerequisite: 406 or equivalent.

429–4 Experimental Studies in Oral Communication. Survey, analysis, and criticism of experimental approaches to the study of oral communication, with practice in planning and conducting experimental studies. Prerequisite: graduate standing.

441–4 Teaching Speech in Elementary Schools. Oral language development in children, analysis of their speech needs, and methods of teaching speech in elementary schools, with emphasis on speech improvement and development of basic speech skills.

449–4 General Semantics. Means of changing implications so that language, in spoken or written form, describes the life facts.

500–4 Survey of Classical Rhetoric. Ancient rhetoricians and orators from Corax to Augustine, with special emphasis upon the works of Aristotle and Cicero. Lectures and special studies.

505–4 Modern Rhetorical Theory. An analysis of selected theories of public address from the seventeenth century to the present, with a view of discovering the methods and objectives of modern rhetoricians and relating them to society and its problems during the period.

510–4 Seminar: Persuasion and Social Control. Studies covering the uses and applications of persuasion in the various fields of social activity. Examination of the mass media to such areas as politics, business, religion, and education.

511–4 (2,2) Teaching the College Speech Course. Problems, methods, and materials in the teaching of speech in college with primary emphasis on the basic course. Examination of textbooks, courses of study, curriculum making, measurement, and relationship to other fields.

525–4 Seminar: Speech Education. Problems of philosophy and methods of teaching speech in the elementary and secondary schools. Prerequisite: 406 or consent of instructor.

530–1 to 4 Research Problems. Individual work in selected problems for research.

532–4 (2,2) Areas and Techniques of Research in Speech. Study and analysis of outstanding works in the various areas of research. Lectures on research techniques and study possibilities in the field.

599–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Speech Pathology and Audiology

400–1 to 4 Independent Study in Speech Correction and Audiology. Activities involved are investigative, creative, or clinical in character. Must be arranged in advance with instructor. May be repeated up to 6 hours of credit. Prerequisite: graduate standing.

405–12 (4,4,4) Practicum in Speech and Hearing Therapy. Clinical and school procedures in speech correction and audiology. One hour of class per week and 2 hours of clinical activity or work on clinically related projects for each hour of credit. 405a (fall) emphasizes therapeutic procedures. 405b (winter) emphasizes diagnostic techniques. 405c (spring, summer) emphasizes the utilization of forms and the preparation of reports. Students may have up to 12 hours total credit in this course. Need not be taken in sequence, but a,b, or c cannot be repeated. Prerequisite: junior standing in department.

406–4 Techniques and Interpretation of Hearing Tests. Principles and techniques of testing the hearing and interpreting those tests in terms of the individual's needs. Prerequisite: 416 or consent of instructor.

409–4 Research Techniques in Speech Science. A presentation of the research techniques used in speech science with particular emphasis on equipment, experimental design, and study of significant research contributions to the field. Open to advanced students in speech or those with consent of the instructor. Prerequisite: graduate standing.

412–4 Cerebral Palsy. An investigation of the etiology, problems, and therapy of cerebral palsy. Prerequisites: 212, 414 or consent of instructor.

414–4 Anatomy and Physiology of Speech and Hearing Mechanisms.

415–4 Aphasia. An investigation of the etiology, problems, and therapy of aphasia. Prerequisite: 412, 414 or consent of instructor.

416–4 Introduction to Audiology. A basic orientation to the professional field of audiology, its history, and its goals. Basic acoustics; the phylogeny, anatomy, and physiology of the human ear; and significant pathologies of the ear. Prerequisite: 406.

419–4 Communication Problems of the Deaf and Hard of Hearing. Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: 406 or consent of instructor.

420–4 Advanced Clinical Audiometry. Principles and procedures for advanced audiometric testing, advanced problems in bone conduction measurements, in evaluation of loudness recruitment, in topodiagnostic audiometry, and nonorganic hearing loss. Practical techniques include speech audiometry, Bekesy audiometry, conditioned pure tone electrodermal audiometry, and use of the Zwislocki Acoustic Bridge. Prerequisite: 416.

428–4 Speech Correction for the Classroom Teacher. (See Special Education 428.)

515–1 to 4 Readings in Speech Pathology. Supervised and directed readings in specific areas of speech pathology.

521–1 to 4 Seminar in Articulation and Delayed Speech. Special problems of language development and articulation.

522–4 to 16 (1 to 4 each) Seminar in Organic Speech Problems. (a) Developmental anatomy and physiology. **(b)** Teratology, surgery, and dentistry. **(c)** Neuropathological bases. **(d)** Clinical management. Must be taken in sequence or by consent of instructor.

529–3 to 12 (1 to 4 each) Seminar in Stuttering Behavior. (a) Theoretical analysis. **(b)** Diagnostic techniques. **(c)** Application of principles to therapy. Must be taken in sequence or by consent of instructor.

Television-Radio

400–4 Seminar in Mass Communications: Mixed Media. Problem-solving term projects using inter-media approaches. A team-taught course involving many members of the faculty, both in the mass communications area and the faculty at large. Invited professional guests. Prerequisites: senior standing, completion of other broadcast concentration courses.

401–4 Criticism in the Public Arts. Television, radio, and film programs as art forms. Comparison and contrast with other of the "lively" and fine arts. Social, moral, aesthetic, and commercial evaluations. Development of critical standards, extensive viewing and hearing programs on videotape, film, and other. Prerequisite: senior standing.

402–4 Seminar in Broadcast Management. Management executives from stations are "guest faculty." Management responsibility, research goals, use of capital, advertising, public relations, etc. A research paper. Prerequisites: senior standing, completion of other broadcast concentration courses.

403–4 Seminar in Educational Broadcasting. Application of broadcasting skills and technology to the dissemination of information in a formal or an informal manner. Intended for those who expect to continue their education on the advanced degree level in educational broadcasting, who plan to enter educational broadcasting, or for teachers who will have responsibilities in the administration or use of the broadcast media as a part of their curriculum. Prerequisite: senior standing, or consent of instructor.

404–4 Research in Broadcasting. The application of research techniques to the broadcast media. Evaluation of research. Participation in a research project designed by the class. Three class sessions per week, extensive arranged laboratories. Prerequisites: 200, consent of instructor.

405–4 Television Documentary. The filmed and/or taped documentary as a basic programming concept in American television. The use of tools, editing, sound, sound and videotape recording. Selection of topics, research, planning, budgeting, etc. Group preparation of filmed and/or videotaped projects for television. Prerequisites: 201b, consent of instructor, senior standing in a Mass Communications sequence.

406–4 Special Events. Broadcasting on radio and television of special events. Emphasis on remote broadcasting. Training in the preparation and production of one-time and/or occasional broadcasts. Live, audio, and videotaped program preparation. Prerequisites: 201, 300, 301.
407–4 International Broadcasting. Analysis of foreign systems of broadcasting and comparison with the American system. Broadcasting as an international force in social, economic, and political areas. Problems and developments in space communications, satellite broadcasting, international cooperation.

Theater

400–0 to 18 (0,2,4, or 6 per quarter) Theater 400. Seminar-studio. Main stage repertory theater assignment. Prerequisites: 100, 200, 300.
402–8 (4,4) Play Directing. (a) The principles and procedures of play direction including play selection, interpretation, and the patterning of auditory and visual stimuli. **(b)** Continuation of 402a emphasizing rehearsal procedures, and control of tempo and mood, styles of presentation and performance, and other techniques in the direction of plays.
403–4 Dramatic Theory and Criticism. Principles and practice of modern dramatic production in the light of modern aesthetic theory. Attempts to formulate an aesthetic judgment of the theater. Prerequisite: graduate standing.
404–2 Workshop in Dance for In-Service Teachers. (See Physical Education 404.)
410–3 Children's Theater. Creative dramatics; dramatization of children's literature; play production for elementary schools. Recommended for education concentrations.
411–4 Playwriting. The writing of a full-length play, a children's play, or a historical pageant-drama. May elect to write two one-act plays. Individual conferences supplement class discussion and anlysis of student writing.
412–8 (4,4) Stage Design. A design of settings for the stage and other dramatic media. Prerequisite: graduate standing.
438–4 Contemporary Developments in Theater. Critical study of theory and practice in acting, directing, production, and architecture in the modern theater. The development of the film, radio, and television as dramatic media.
507–4 The History of Acting. An examination, based on primary source material, of the evolution of the art of acting from the classic Athenian theater to the present, with emphasis upon the theoretical literature thereof.
509–4 The High School Theater and Its Production Problems. Consideration of stages, machinery, equipment, light controls and instruments, production techniques, and analysis of basic needs of high school theater.
519–1 to 12 Theater Practicum. Practical experience in acting, directing, and associated work on campus, on area tours, and in summer stock.
526–3 to 12 Seminar in Theater Arts. Special problems of interest to advanced student. Subject is determined by instructor. Seminar in same subject cannot be repeated.

4 / Faculty

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Southern Illinois University

Bulletin

1970–1971 Graduate School Catalog/Carbondale

SIU

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TO EXALT BEAUTY

In God,
in nature, and
in art;
Teaching how to love the best
but to keep the human touch;

TO ADVANCE LEARNING

In all lines of truth
wherever they may lead,
Showing how to think
rather than what to think,
Assisting the powers
of the mind
In their self-development;

TO FORWARD IDEAS AND IDEALS

In our democracy,
Inspiring respect for others
as for ourselves,
Ever promoting freedom
with responsibility;

TO BECOME A CENTER OF ORDER AND LIGHT

That knowledge may lead
to understanding
And understanding
to wisdom.

thern Illinois University

Bulletin

1971 Graduate School Catalog/Carbondale

HERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 6, April
0. Second-class postage paid at Carbondale, Illinois 62901, and Edwards-
linois 62025. Published by Southern Illinois University, Carbondale, Illi-
901, monthly except February, March, April, and December, when pub-
semi-monthly.

SIU

This Issue . . . . . .

of the *Southern Illinois University Bulletin* covers in detail questions concerning the Graduate School and applies to the Carbondale Campus. It supersedes Volume 11, Number 6.

THE FOLLOWING issues of the *Southern Illinois University Bulletin* may b obtained free from Central Publications, Southern Illinois Universit Carbondale, Illinois 62901.

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University Calendar

SPRING, 1970	Quarter Begins	Monday, March 30 *
	Memorial Day Holiday	Friday, May 29
	Final Examinations	Monday–Saturday, June 8–13
	Commencement (Carbondale)	Friday, June 12
	Commencement (Edwardsville)	Saturday, June 13
SUMMER, 1970	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
FALL, 1970	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
WINTER, 1971	Quarter Begins	Monday, January 4 *
	Final Examinations	Saturday–Friday, March 13–19
SPRING, 1971	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12

* Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and with the evening classes after 4:30 P.M. on the Edwardsville Campus.

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1 / The Graduate School

The Role of the Graduate School

The primary concern of the Graduate School is the basic and applied research work carried on in all sectors of the University. The Graduate School therefore plays an essential role in the development of instructional and research programs, in the acquisition of funds, and in the procurement of facilities necessary to encourage and support the research of the members of its scholarly community. In addition, the Graduate School is a major contributor to the public services provided by the University to the region, the state, the nation, and a number of other countries. In all of its programs of instruction and research, the Graduate School sets a high standard of achievement. It is in those students who have demonstrated this quality of excellence by completing advanced courses of study and by achieving significant results in their research that the Graduate School makes its contribution to the public welfare.

Research

Research is the special concern of the Graduate School because its faculty must engage in scholarly research activities to maintain its effectiveness and also because advanced instruction of graduate students consists mainly of guidance in research. For these reasons, University policies governing research are developed by the Graduate School and administered through it.

The Office of Research and Projects has been established in the Graduate School to assist in the continuing development of the research activities of the University. University support for individual research projects is available to faculty members through the special research projects program administered by this office. The Office of Research and Projects also supervises cooperative research projects and particularly assists applicants in the preparation and submission of research proposals that involve outside support from such sources as government, foundations, business, and industry.

Morris Library

Morris Library contains over 1,000,000 volumes and subscribes to more than 10,000 periodicals. An average of 80,000 volumes is added to the collection each year.

Supplementing the resources of Morris Library is the Center for Research Libraries, Chicago, in which the University holds membership. A card file on the center's some 2,000,000 volumes is available for consultation.

The Morris Library has special strength in those fields where doctoral programs are offered. Its holdings in American and British literature and

history in the 19th and 20th centuries are especially noteworthy. They include the Fred J. Kern collection of some 5,000 volumes dealing largely with materials on controversial political and social issues during the past fifty years; the Philip D. Sang collection of American and British fiction; books and manuscripts on Walt Whitman and Henry David Thoreau from the Charles E. Feinberg Library; and a rapidly expanding collection of federal, state, British, and United Nations documents.

The library's collection on American and British law provides most of the basic works for legal reference and research. Morris Library also has files of major American newspapers and selected foreign papers, a collection of more than 100,000 maps, and an extensive file of curriculum material relating to school systems in the United States.

In various forms of microtext, the library now has or is purchasing:

1. The text of some 30,000 books, pamphlets, broadsides published in America from 1639 to the end of 1800 (Evans' *American Bibliography*).
2. The text of early English imprints (1475–1700) *(Short Title Catalogues)* and about sixty English literary periodicals of the 17th through 19th centuries.
3. Some 5,600 English and American plays of the 16th through 18th centuries.
4. Files of ninety-one American periodicals of the 18th century and several hundred of the 19th century.
5. Papers of the American Presidents and the American consuls abroad.
6. British sessional papers of the 19th century; French Chamber of Deputies and German Reichstag and Bundestag debates that have been issued on film.
7. The presidential and personal papers of Ulysses S. Grant.
8. Educational research documents distributed by ERIC clearinghouses.

A major source for research in the behavioral sciences is the Human Relations Area Files, consisting of copies of about 1,500,000 documents: books, articles, field reports, and unpublished manuscripts covering 17 world cultures and taken from more than 3,000 sources.

The library's Irish Renaissance holdings include books, letters, and manuscripts of James Joyce, W. B. Yeats, Lady Augusta Gregory, A. E. (George Russell), Lennox Robinson, Sean O'Casey, Katharine Tynan, and other literary and political figures of the late 19th and early 20th centuries.

Morris Library recently acquired most of the prose manuscripts of Robert Graves and the family papers of Richard Aldington. Some 30 American and British writers, members of the expatriate group who lived and worked in Paris between the world wars, are represented in two notable collections of books and manuscripts—the Philip Kaplan and Caresse Crosby Collections, the latter containing the files of the Black Sun Press. Besides books and little magazines, there are numerous letters and manuscripts of such writers as Kay Boyle, Hart Crane, Floyd Dell, Ernest Hemingway, Lawrence Durrell, Ford Madox Ford, D. H. Lawrence, Henry Miller, Ezra Pound, and Dylan Thomas.

Beginning with the acquisition of the 7,000 volume library of Dr. Jose Mogravejo Carrion of Ecuador in 1960, Morris Library has systematically expanded its holdings in Latin American history, government, literature, and anthropology. Extensive files of Latin American serial publications from Argentina, Bolivia, Paraguay, Uraguay, Cuba, and Mexico provide a rich source for graduate study and research. Many

he publications in this collection are unavailable elsewhere in the United States.

In support of graduate studies in the sciences, the library has expanded ts current subscriptions and back files of journals and has been acquiring he publications of learned societies and foreign academies, including the Royal Society of London, the academies of Paris, Berlin, Munich, Leipzig, Amsterdam, Gottingen, Rome, and St. Petersburg.

The extensive scientific journal collection of the Argonne National Laboratory and the Center for Research Libraries in Chicago are available o graduate students in person or on interlibrary loan. Arrangements have lso been made for the library to secure technical reports from the U.S. Defense Documentation Center, the National Aeronautics and Space Administration, and the Atomic Energy Administration, as these are needed or research.

Other major resources of Morris Library include a collection of works y and about John Dewey; the R. Buckminster Fuller archives, comprising an extensive file of papers, correspondence, manuscripts, drawings, nd models of the internationally known engineer and designer; the rchives of philosopher-theologian Henry Nelson Wieman, including a umber of unpublished works; the theater archives of Mordecai Gorelik, ohn Howard Lawson, and Katherine Dunham; and a growing body of ocuments relating to local and regional history—family and business apers, town and county records.

Data Processing and Computing Center

he Data Processing and Computing Center at Southern Illinois University provides service to faculty and students engaged in research. The enter is located in the basement of the Wham Education Building and equipped with an IBM 7044, one IBM 1620, and two IBM 1401 computers. A variety of sorting and tabulating equipment is also available. he center also has an MRC Docutran optical scanner for processing information directly from coded sheets.

Arrangements can be made for both faculty members and graduate udents to avail themselves of the services and facilities of the center no cost.

University Placement Services

he University Placement Services assists students seeking employment ter completion of their education. Its facilities are free to students, who e urged to register or up-date their papers during the fall quarter of ch academic year. All inquiries concerning this service should be made the Director of the University Placement Services.

Housing

ngle graduate students will generally find it desirable to locate private using facilities. The Housing Information Center maintains current information on rooms, apartments, houses for rent or sale, and trailer parks d can assist in locating accommodations. All arrangements for housing d all business transactions in the matter of housing are the sole responsibility of the student and the owner of the housing facility.

Current information concerning housing facilities for off-campus married students is available in the Housing Information Center. Experience has shown that satisfactory arrangements cannot be made by mail. A personal visit is usually required. Prices vary widely, ranging from $20 per month for trailer spaces to $150 or more per month for houses and apartments.

University housing for married students includes 304 unfurnished two- and three-bedroom apartments, 272 furnished efficiency one- and two-bedroom apartments, and a 53-space trailer court.

The University is planning for a Graduate Residence Center which in the first phase will accommodate approximately 500 single graduate students. Because the demand for University housing for married students exceeds the supply, information should be requested early from Housing Business Services.

Health Services

The University maintains an infirmary which provides limited medica care for students, including 24-hour emergency service.

Financial Assistance

Fellowships, Preceptorships, and Assistantships

Graduate fellowships are available in all areas of graduate study upo application to the appropriate chairman, and are awarded by the Grad uate School upon the basis of scholarship. Recipients are permitted t carry normal graduate schedules. The award is normally made for fou consecutive quarters; for master's degree students the stipend is $255 pe month, or $3,060 for the four quarters; for doctoral degree students th stipend is $275 per month or $3,300 for four consecutive quarters. Ther is a remission of tuition but not other fees. There is no service require ment. All application materials should be submitted to the student's majo department chairman before February 1 preceding the academic year fo which the fellowship is desired. Inquiries may be addressed to the majo chairman or to the dean of the Graduate School.

Special doctoral assistantships are available for students who hold th master's degree or its equivalent, and who have been admitted to one o the doctoral programs. Application is made to the appropriate chairma and the awards are made by the Graduate School upon the basis o scholarship. The award is normally made for four consecutive quarte and carries a stipend of $310 per month, or $3,720 for four quarters. The is a remission of tuition but not other fees. There is a service requiremen with the specific duties to be assigned by the chairman of the departmen Application deadlines and procedures are the same as for gradua fellowships.

A number of preceptorships are offered by the University to studen who are excellent teachers as well as superior scholars. These positio pay a stipend which ranges from $300 to $375 per month for the academ year, with the exact amount depending upon the assignment, experienc and academic achievement. Remission of tuition is granted, but fees mu be paid. Service of 20 hours per week, or corresponding load in teachin is required. Preceptors must carry no more than 12 hours and no less th 6 hours of credit per quarter. Inquiries should be addressed to the a

propriate chairman before February 1 preceding the academic year for which the assignment is sought.

Teaching, research, and graduate assistantships are available in a number of departments and research agencies. These positions pay stipends which range from $225 to $350 per month, with the exact amount depending upon the assignment, experience, and academic experience of the student. Rules applying to tuition, fees, and workloads are the same as those for preceptorships.

National Defense Education Act Title IV fellowships are available to outstanding students in some departments offering doctoral work. Awards are for three years with stipends beginning at $2,400 and rising to $2,600 and then $2,800 in successive years, plus a dependency allowance. Traineeships through the National Science Foundation are also available to outstanding students in some doctoral fields in the physical, biological, and social sciences. Stipends begin at $2,400 and rise in successive years to $2,600 and then $2,800, with an additional dependency allowance in each case. Inquiry for each of these should be made to the chairman concerned, or directly to the dean of the Graduate School.

Student Work and Financial Assistance Office

The University maintains an Office of Student Work and Financial Assistance through which work on and off campus, cooperative work-study programs, summer employment, the federal work-study programs, and scholarships, awards, prizes, grants-in-aid, private agency awards, and student loan funds are negotiated.

Additional information may be obtained from the director of Student Work and Financial Assistance program.

Tuition and Fees

The tuition and fees charged students are established by the Board of Trustees and are subject to change whenever conditions make changes necessary. Effective fall quarter 1970, fees per quarter for graduate students are as follows:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	$22.00	$45.00	$67.00
Tuition Fee—Out of State	(80.00)	(160.00)	(240.00)
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
Total—Illinois Resident	41.50	79.50	115.50
Total—Out of State Resident	(96.50)	(188.50)	(280.50)

The student activity fee includes the fees for limited hospitalization, entertainment, partial athletics, the student newspaper and yearbook, and such other privileges as may be provided.

Teaching, research, graduate assistants, and graduate fellows do not pay tuition and have an option on paying the student activity fee. They pay other fees.

In addition to the above fees, a student is subject to certain other charges under the conditions listed below:

1. A matriculation fee of $5, which is assessed a graduate student the first time he registers if he is not a graduate of Southern Illinois University.
2. A late registration fee, which is $2 for the first day and which increases $1 each day to a maximum of $5 when a student registers after the regular registration period has ended.
3. A $2 program-change charge whenever a student changes his program from the one for which he originally registered, unless the change is made for the convenience of the University.
4. A graduation fee of $17; and, for doctoral candidates, a dissertation microfilming fee of $30–$47, depending upon the service selected.
5. Other charges which a student may incur are those for field trips, library fines, and excess breakage. A student taking a course involving use of materials, as distinct from equipment, will ordinarily pay for such materials.

Graduate Degrees Offered

Graduate degrees are available in the following fields:

Master of Arts

Anthropology
Art
Behavior Modification
Biological Sciences
Botany
Chemistry
Economics
English
English as a Foreign Language
Foreign Languages
Geography
Geology
Government
History
Inter-American Studies
Journalism
Mathematics
Microbiology
Philosophy
Physical Sciences
Physics
Physiology
Psychology
Rehabilitation Administration
Rehabilitation Counseling
Sociology
Speech
Speech Pathology and Audiology
Theater
Zoology

Master of Business Administration

Business Administration

Master of Fine Arts

Art

Master of Music

Music

Master of Music Education

Music

Master of Science

Agricultural Industries
Animal Industries
Applied Science
Behavior Modification
Biological Sciences
Botany
Chemistry
Community Development
Computer Science
Design
Economics

Engineering
Forestry
Geography
Geology
Home Economics
Journalism
Mathematical Sciences
Microbiology
Physical Sciences
Physics
Physiology
Plant Industries
Psychology
Rehabilitation Administration Counseling
Sociology
Speech
Speech Pathology and Audiology
Technical and Industrial Education
Theater
Zoology

Master of Science in Education

College Student Personnel
Educational Administration and Foundations
Elementary Education
Guidance and Educational Psychology
Health Education
Higher Education
Home Economics
Instructional Materials
Physical Education
Recreation and Outdoor Education
Secondary Education
Secretarial and Business Education
Special Education
Technical and Industrial Education

Doctor of Philosophy

Anthropology
Botany
Chemistry
Economics
Education
English
Geography
Government
Historical Studies
Journalism
Mathematical Sciences
Microbiology
Molecular Science
Philosophy
Physiology
Psychology
Sociology
Speech-Theater
Speech Pathology and Audiology
Zoology

Admission to the Graduate School

A student should obtain application forms from the Graduate School and submit application, together with transcripts and other supporting material, directly to the Graduate Admissions Office where it will be evaluated for compliance with Graduate School admission requirements. Only if these are met and if the student seeks a degree will the application be forwarded to the faculty in which the student indicates his desired major. The admission requirements of the Graduate School and the faculty must both be met before the student is admitted either conditionally or unconditionally, and both the Graduate School and the faculty may specify conditions. Several faculties require additional materials such as test scores or letters of recommendation. The student will be informed of his admission status after this process has been completed. Admission to the Graduate School is determined almost entirely by the calibre of the applicant's previous college work.

To permit sufficient time for application to be processed, these deadlines for receipt of applications and official transcripts have been set:

1. *The second Saturday in July for admission to the fall quarter*
2. *The last Saturday in October for the winter quarter*
3. *The last Saturday in January for the spring quarter*
4. *The last Saturday in March for the summer quarter*

Applications which are incomplete on the deadline date or are received later may be granted unclassified (non-degree) admission status for the quarter for which admission was originally sought. The application papers will continue to be processed for admission to a degree program only for the quarter following the one originally applied for. If the student decides to enter as an unclassified student, this will in no way influence the decision relative to his acceptance as a degree candidate. Whether work taken by a student who is unclassified because of late application will later count toward a degree will be decided by the Graduate School and the faculties concerned.

A student who wishes to enter the Graduate School immediately after graduation may submit his application when he is within one quarter or semester of graduation. He must submit a transcript showing the work he has completed, and when his final quarter or semester of undergraduate work is completed, a transcript of that work must also be submitted.

An undergraduate student who is within 16 quarter hours of a bachelor's degree may take courses for graduate credit by applying for admission to the Graduate School in the usual way. At the time of registration he must also obtain the approval of the graduate dean to take such courses for graduate credit. He remains as undergraduate student officially until he completes his baccalaureate requirements.

A student who is applying for an assistantship or fellowship and who submits a transcript in support of that application must also submit an application for admission and transcripts directly to the Graduate School for admission processing.

Admission to Graduate Study as an Unclassified Student

A student may apply for admission to the University as an unclassified student when he does not seek a graduate degree or certificate, when he has applied too late for the quarter for which he seeks admission, or when he wishes to qualify for admission to a degree program because his scholastic record does not qualify him for conditional admission. A student who seeks admission as an unclassified graduate student must present evidence that he holds a bachelor's degree.

Qualifying work has been established in order that students whose undergraduate grade point averages are below the minimum required for admission to a master's program (3.4 on an $A = 5.0$ scale) may prove themselves capable of better academic performance and thereby qualify for consideration for admission. Once a student has made formal application for admission to the Graduate School and has officially been informed that his grade point average is below the minimum requirement, he may then apply for admission as an unclassified graduate student to pursue qualifying work.

A student whose average is between 3.2 and 3.399 may qualify for consideration by earning a 4.0 or better in not less than 12 nor more than 24 quarter hours of 300- or 400-level courses and by passing the Graduate English requirement. If he earns a 4.0 in the first 12 quarter hours, that is all he is required to take. If he does not earn a 4.0 in the first 12 quarter hours, he may continue until he has a total of 24 quarter hours in an attempt to raise the grade point average to 4.0.

A student whose average is between 3.0 and 3.199 may qualify for consideration by earning a 4.0 or better in 24 quarter hours of 300- or 400-level courses and by passing the Graduate English requirement.

No applicant with an undergraduate grade point average below 3.40 may take more than 24 quarter hours in seeking to qualify for admission, and no more than one-half of the work should be taken in a single subject area.

Successful completion of this work does *not* assure the student of admission, but only of consideration by the department of his choice. It is solely the department's decision to accept the student into their master's degree program. Therefore, it is strongly suggested that the student seek the advice of the graduate adviser in the department before and while he is doing qualifying work.

Admission of International Students

A student from abroad is subject to all requirements for admission established by the Graduate School. In addition, he must complete special forms pertaining to the admission of international students. For these admission forms and for other information concerning international students, inquiries should be sent to the Director of Foreign Admissions, Registrar's Office, Southern Illinois University, Carbondale, Illinois 62901.

International students whose native tongue is not English will be required to demonstrate proficiency in the English language through the following procedures.

1. A minimum score of 450 on the Test of English as a Foreign Language (TOEFL) will be required for consideration for admission. Information on this test and on the dates and places of testing may be obtained from the Educational Testing Service, Box 899, Princeton, New Jersey.
2. Students with a TOEFL score of 550 or more will be admitted unconditionally to the Graduate School, if other academic requirements have been met.
3. Students with a TOEFL score between 450 and 549 will be admitted to the Graduate School conditionally, pending the results of the following tests which will be taken upon the students' arrival at Southern Illinois University.
   a. The Michigan Proficiency Test, administered by the Southern Illinois University Counseling and Testing Center.
   b. An essay examination administered and graded by the Southern Illinois University Center for English as a Second Language (CESL).
   c. When the results of these examinations deem it necessary, an oral examination administered by CESL.
4. Students who fail the locally-administered examinations will be required to take and pass intensive English proficiency work at CESL or its equivalent at some other institution before they will be admitted unconditionally to degree programs at the University or be allowed to take academic work counting towards a degree.

To allow ample time for visa and other departure procedures, the applicant should have his application and all supporting documents on file with the University no less than four months prior to his proposed entry date.

An international student must be enrolled in a program leading to a graduate degree. He cannot be admitted as an unclassified student.

If the above requirements are satisfactorily met and the student is ad-

mitted to a degree program, he will be required to certify to the Univer sity that he has adequate financial resources available to him to under take and continue in a program of study.

Master's Degree Programs

Admission

In order to receive unconditional admission from the Graduate Schoo for study at the master's level, the applicant must hold a bachelor's degre and have a grade point average of 3.70 or higher ($A=5.00$).

A student with a grade point average of 3.40, but less than 3.70, ma be granted conditional admission and will remain on conditional statu until he earns 24 quarter hours of credit in graduate-level courses. At tha time his academic record will be checked according to the retentio policy stated below, to see whether his conditional status can be change to unconditional.

The conditionally admitted student must satisfy the Graduate Englis requirement before completing more than 24 quarter hours. A depar ment, faculty, or other degree-program unit may add its own condition for admission regardless of the grade point average.

A student with an undergraduate grade point average below 3.40 ma be admitted only as an unclassified student.

Retention

Whenever a student's graduate grade point average falls below 4.0 h standing is in jeopardy. When a student has accumulated 24 quarter hou of work after admission to a degree program, and has eight or mo quarter hours of *C* or below in 400 or 500 level courses, not balanced b *A* in 400- or 500-level courses, he will be dropped from the Graduat School and will not again be admissible to a degree program.

General Requirements

Forty-eight hours of acceptable graduate credit are required for a master degree, except in the Carbondale programs in fine arts, where 60 hours a necessary, and in behavior modification, psychology, rehabilitation cou seling, and college student personnel work, where 72 hours are require At least 24 hours must be earned in courses numbered 500 or above. N more than 16 hours earned for work done at another university, or in e tension, or both together, may be counted toward the degree. An evalu tion of transfer credit is made in every case and may result in a reductic of the credit offered. Only in unusual circumstances will transfer cred be given for work bearing a grade below *B*. No credit toward the degr may be earned by correspondence.

Only credit earned within a six-year period preceding the completion requirements for the degree, whether at Southern Illinois University elsewhere, will be counted toward the degree.

Ordinarily a graduate student is expected to select both a major and minor field, but he may be permitted by his advisory committee and t dean of the Graduate School to concentrate his efforts in one particul area of study. The graduate major, in most fields, consists of a minimu of 30 hours of credit in the chosen area of study; some fields, howev require as many as 40 hours for the major, in which case no minor is

quired. The graduate minor consists of a minimum of 15 hours. A student may have a double major recorded upon completing the necessary number (60 hours) of designated courses.

Each candidate for a master's degree shall write a thesis except where a graduate program has been approved by the Graduate Council to provide for some other arrangement. The thesis may be counted for not more than 9 nor less than 5 quarter hours of credit. The subject of the thesis is to be reported to the Graduate School by the student and is to be approved by the chairman of the advisory committee and the dean of the Graduate School at least two quarters before the date of graduation. Two copies of the approved thesis (the original and first carbon) must be presented to the Graduate School at least three weeks prior to the date of graduation, to be bound and shelved in the library. For nonthesis programs, a research paper should show evidence of the student's knowledge of research techniques and should be based on a special project or specific courses as may be recommended by the advisory committee.

Each candidate for a master's degree is required to pass a comprehensive examination covering all of his graduate work, including the thesis. This examination may be written or oral, or both, as determined by the student's advisory committee.

A reading knowledge of a foreign language is required in all cases for the Master of Arts degree. This knowledge will be tested in the Educational Testing Service's Graduate Foreign Languages Examinations, administered by the University Counseling and Testing Center once each quarter. There is a $10.00 fee, and the admission ticket must be obtained at the Graduate School Office four weeks in advance of the examinations, which are normally administered in October, February, May, and July. The ETS examinations are available only in French, German, Russian, and Spanish; students wishing to present any other language must receive written permission from the dean of the Graduate School.

Students having an undergraduate grade point average below 3.70, must satisfy the graduate English requirement by passing the Graduate English examination. The examination is administered by the Counseling and Testing Center once each quarter. The graduate English requirement must be satisfied before the student has completed 24 quarter hours.

Candidates are expected to meet requirements in force during the year of graduation, but due consideration will be given the fact that a student may have been admitted and may have planned his work when other requirements were current. Important changes in requirements are put into effect gradually. It is especially important that the following data should be kept up to date on the student's record in the Graduate School Office: the major and minor, the degree for which the student is a candidate, the name of the chairman of the advisory committee, and the thesis adviser.

The following deadlines are stated for the guidance of the candidate for the master's degree:

1. The graduate English examination is to be taken during the first quarter in which the candidate is enrolled in a course given for residence credit.
2. Any foreign language requirement is to be met at least three months prior to graduation.
3. The thesis subject is to be approved by the chairman of the advisory committee at least twenty weeks before the date of graduation and is then to be reported by the student to the Graduate School.

4. The completed thesis should be presented to the dean of the Grad uate School at least three weeks before graduation.

5. The preliminary checkup for graduation is to be made with the Grad uate School at least five weeks prior to the graduation date. Applicatio forms, which may be secured from the Registrar's Office, should be com pleted and returned to that office after payment of the graduation fee a the Bursar's Office.

Sixth-Year Specialist's Certificate Program

The Sixth-Year Specialist's Certificate program is for a qualified stude with a master's degree or its equivalent who wishes to pursue a planne sixth-year program leading to specialization in an educational field. Ce tain sixth-year courses of study developed and offered in professional e ucation areas have been approved by the Graduate Council with the fo lowing minimum requirements.

Students seeking admission to the Sixth-Year Specialist's Certifica program will follow the same procedures that apply to admission to oth graduate programs. Admission requires a grade point average of 4.25 f graduate work. Departments or divisions may establish a higher sch lastic requirement for admission and may use whatever selective criter are appropriate to the field of specialization. The student's previous wo shall have provided a proper base of general and special preparation f the sixth-year studies; if this is lacking, additional work must be taken establish the base. Two years of experience relevant to the specializ field are required.

An advisory committee of three members for each candidate shall appointed by the dean of the Graduate School upon the recommendati of the chairman or head of the respective department.

A minimum of 45 quarter hours of work beyond the master's degree its equivalent is required. This work must be planned early by the stude and his advisory committee, must clearly move the student toward t specialization he seeks, and must conform to a Sixth-Year Specialis Certificate program approved by the Graduate Council. A minimu grade point average of 4.25 for all work in the Sixth-Year Specialis Certificate program is required. A maximum of 20 hours at the 400 le may be taken, of which not more than 12 may be in the College of Ed cation. A combined maximum of 9 quarter hours of graduate credit earn in extension and in other graduate schools may be counted. All such wo must be approved by the student's advisory committee and must ca a grade of *B* or better. No credit earned through correspondence or us in attaining another degree or certificate may be counted.

No credit earned while the student was on unclassified status w count except credit earned while the application for admission was be processed, and then only with the recommendation of the advisory co mittee. All credit must have been earned within seven years prior to completion of the program.

Full-time, full-load residence of one quarter (or two summer sessi of at least eight weeks each) is required. Students who are employed f time may not carry more than one course per quarter.

With the prior approval of the student's advisory committee, cre toward the Sixth-Year Specialist's Certificate program may be earned both campuses of the University in programs approved on both campu by the Graduate Council.

Doctor of Philosophy Degree Programs

Admission

Admission to a Ph.D. program in the Graduate School requires a master's degree or its equivalent, a grade point average in graduate work of 4.25 or above, and acceptance by the academic unit offering the Ph.D. program. The dean of the Graduate School informs each student of any conditions for admission imposed by the Graduate School or by the academic unit. For the Ph.D. program in education admission is to a functional area, after which a program is designed for a specialty within that functional area. Students seeking admission to a doctoral program in education must contact the coordinator of one of the three functional areas: Administration and Social and Philosophical Foundations, Curriculum and Instruction, or Educational Psychology.

General Requirements

The Ph.D. degree is awarded for high accomplishment in a particular discipline or a recognized interdisciplinary area, as measured by the student's ability to pass the preliminary examination for admission to candidacy, meet the research tool requirement of the program, perform a piece of original research, present the results in proper form in a dissertation, and defend the dissertation before a faculty committee.

Preliminary Examination

The student will generally prepare himself for this examination through independent study and course work, as advised by the faculty of his Ph.D. program. The examination is given to determine the breadth and depth of the student's knowledge within his discipline. The particular form and content of the examination are determined by the faculty of each of the doctoral programs. Usually the student will be permitted to take the examination after he has completed two years of study beyond the baccalaureate and has successfully completed his research tool requirement.

Research Tool Requirement

The Ph.D. at Southern Illinois University is a research-oriented degree. The research tool requirement, as one means of ascertaining that a Ph.D. candidate has the necessary skills for doing research in a given discipline, is intended to be an integral part of the student's program. Since research materials, problems, and techniques vary from discipline to discipline, the particularities of the research tool requirement are determined by the faculty of each of the doctoral programs.

Admission to Candidacy

Each student accepted for study into a doctoral program is admitted on a provisional basis and remains so until he has been admitted to candidacy for the degree. Admission to candidacy is granted by the dean of the Graduate School, upon recommendation of the faculty responsible for the student's program, after the student has passed his preliminary examination and met the research tool requirement of the program. The Ph.D. degree may not be conferred less than six months, nor more than five years, after admission to candidacy, except upon approval of the dean of the Graduate School. If completion of requirements is delayed beyond

five years, a student may be required to take another preliminary examina tion and be admitted to candidacy a second time.

Dissertation

After being admitted to candidacy, the student must complete a dissert tion showing that he is capable of independent research or other creativ effort. The dissertation shall be supervised by a faculty committee whic has been approved by the dean of the Graduate School. This committe shall consist of five faculty members, one of whom shall be from a di cipline outside the student's major field of study. The topic of the di sertation must be approved by the chairman of the committee, the direct of graduate studies of the Ph.D. program, and the dean of the Gradua School.

While the student is working on his dissertation he must register f the course numbered 600. The student is encouraged to devote at least o academic year of full-time work to complete the dissertation; normall he will register for 36 quarter hours of dissertation credit, that is, 12 hou for each of three terms. If he requires less time, his registration will reduced accordingly, when approved by the dean of the Graduate Scho If a student does not complete his dissertation after he has taken quarter hours of dissertation credit, he must register for a minimum three quarter hours for each of the three terms of the academic year un he completes his degree, and he must register whether he is in residen or off the campus. *Only the dean of the Graduate School is authorized waive this rule.*

The student must submit two copies of the dissertation acceptable the Graduate School, along with an abstract of 600 words or less. dissertations will be microfilmed. There is a fee of $25.00 to cover the c of publication of the abstract and microfilming of the dissertation. copyright is desired, an additional fee of $15.00 will be required. The c of reprints of abstracts must be billed directly to the student by Universi Microfilms, Ann Arbor, Michigan.

Final Examination

There will be a final examination administered by the student's docto dissertation committee. It will be oral and will cover the subject of t dissertation and other matters related to the discipline.

Residency

In order to earn the Ph.D. one must be a full-time student on campus a minimum of three consecutive quarters. During this period the stud must pursue a full-time academic program, which may include service a half-time teaching or research assistant. The intent is that the stud should actually be on the campus for an extended period of time so t the faculty can become well-acquainted with him. The faculty will there be in a better position to make recommendations concerning his deg program and the conferring of his degree, as well as recommendati pertaining to his future career.

Interdisciplinary Doctoral Programs

These guidelines provide for interdisciplinary doctoral programs fo limited number of students whose educational requirements can be met existing resources but not by any one of the University's constituent un

nterdisciplinary programs will be instituted in response to the particular cademic interest of individual students, not as programs of a permanent ature. The procedures and criteria given below govern the authorization nd control of interdisciplinary doctoral programs.

1. After completion of one year of full-time academic study in an estabshed graduate program and upon the recommendation of the chairman adviser of that program, a student may apply for an interdisciplinary rogram to the dean of the Graduate School.

2. The dean of the Graduate School will apply the following criteria deciding whether a program committee should be established to conder the proposed interdisciplinary program.

a. The requisite staff must be available.

b. The library holdings must be adequate without unreasonable additions.

c. The program must lie within recognized disciplines or fields of study, at least one of which offers the doctoral program.

3. If the dean of the Graduate School is satisfied that the proposed rogram satisfies these criteria, he shall form a special program committee five members, three of whom shall be from units offering the docrate.

4. If the committee approves the proposed program, a plan of study all be developed that includes the following elements:

a. Fields or areas of study

b. Required courses

c. Languages or other research tool requirements

d. Dissertation subject

5. The program as approved by the committee shall be submitted to e dean of the Graduate School. Upon his final approval, the student's ogram shall have the same binding effect upon the Graduate School as ograms printed in the Graduate School Catalog.

6. When the committee has certified all the required performances, inuding the results of examinations, the committee shall be dissolved.

Advisement

ch student admitted to the Graduate School is expected to consult a aduate adviser in the department or faculty of his major for assistance planning his total program and in choosing courses each quarter. As on as the student gains approval for a thesis topic and a thesis director, e latter is designated as chairman of the advisory committee. This comttee advises the student in the preparation of the thesis or dissertation, aluates its quality when completed, and supervises the final examina-n, written or oral, when one is required.

Maximum course work for graduate students is 16 hours each quarter; hours is considered a normal load. The maximum load for teaching, search, and graduate assistants who are employed half-time is 12 hours d the minimum is 6 hours; for assistants who are employed more than lf-time the maximum is 8 hours. For persons attending the 8 weeks mmer session, the maximum is 12 hours. These maxima may be exeded only with the written permission of the dean of the Graduate hool.

A graduate student is expected to plan his work carefully. Program anges after registration must be approved by the student's adviser and t dean of the Graduate School. They may involve payment of a pro-

gram-change fee. Program change forms may be obtained from the Gra uate Office.

The graduate student must assume responsibility for his progress l keeping an up-to-date record of the courses he has taken and by consulti periodically with his adviser. Responsibility for errors in program or interpretation of regulations of the Graduate School and the Universi rests entirely upon the student. Advice is always available on request.

Since graduate work is carried on at both the Carbondale and Edwar ville Campuses, it is the student's responsibility to see that his records the Graduate School, Registrar's Office, and with his major adviser a brought together on the campus where he wishes to graduate, well in a vance of the time of graduation. Student records cannot be processed a the student approved for graduation unless these records are available the campus where graduation is to occur at least *six weeks in advan of the time of graduation.*

Graduate Advisers

Following is the list of advisers to graduate students pursuing a maste degree.

Accounting—Floyd Patrick
Agricultural Industries—William Herr
Animal Industries—G. B. Marion
Anthropology—Charles Lange
Applied Science—Thomas B. Jefferson
Art—Tom Walsh
Art Education—Roy Abrahamson
Behavior Modification—Guy Renzaglia
Biological Sciences—Edwin Galbreath
Botany—William D. Gray
Business Administration—Floyd Patrick
Chemistry—C. D. Schmulbach
Clothing and Textiles—Rose Padgett
College Student Personnel—Jack Graham
Community Development—Paul Denise
Computer Science—A. M. Mark
Design—Patrick Ogle
Economics—George Hand
Educational Administration and Foundations—Ed Sasse
Elementary Education—Luther Bradfield
Engineering—Thomas B. Jefferson
English—Robert Griffin
English as a Foreign Language—Charles Parish
Finance—Floyd Patrick
Food and Nutrition—Krank Konishi
Foreign Languages—Hellmut Hartwig
Forestry—John Andresen
Geography—Theodore Schmudde
Geology—William C. Hood
Government—Horace Jacobini
Guidance and Educational Psychology—John Cody
Health Education—C. E. Richardson
Higher Education—Donald Tolle
History—Henry S. Vyverberg
Home and Family—Betty Jane Jol ston
Home Economics Education—Doro Keenan
Instructional Materials—Paul Wendt
Inter-American Studies—Albert Bork
Journalism—Bryce W. Rucker
Linguistics—Charles Parish
Management—Floyd Patrick
Marketing—Floyd Patrick
Mathematics—Charles Maxwell
Microbiology—Hassan Rouhandeh
Molecular Science—John Zimmern
Music—Roderick Gordon
Philosophy—Lewis E. Hahn
Physical Education (Men)—Edw J. Shea
Physical Education (Women)— Anne Thorpe
Physical Sciences—(Chairmen of Faculties Involved)
Physics—John Zimmerman
Physiology—Harold M. Kaplan
Plant Industries—John K. Leasure
Psychology—Vincent Harren
Recreation and Outdoor Educatio Loren Taylor
Rehabilitation Administration— Renzaglia
Rehabilitation Counseling—Guy R zaglia
Secondary Education—R. J. Fligo
Secretarial and Business Educatic Harves Rahe
Social Studies—Howard Allen
Sociology—Herman Lantz
Special Education—Elizabeth Mc

peech—Earl E. Bradley
peech Pathology and Audiology—I. P. Brackett
Technical and Industrial Education—Ronald W. Stadt
Theater—Archibald McLeod
Zoology—Harvey I. Fisher

Grading System

rades are recorded by the letters *A, B, C, D,* and *E* (*A* = 5.00). *A* is for ıtstanding work, *B* for good or average performance, *C* for conditional or ɔt fully satisfactory work, *D* for unsatisfactory work, and *E* for failure.
ther grades may be:

W—Authorized withdrawal made through a program change where no basis for evaluation has been established. Work may not be completed. This grade is not included in grade point computation for retention purposes.

WP—Authorized withdrawal made after first four weeks through a program change with a passing grade. Work may not be completed.

WE—Authorized withdrawal made through a program change after the first four weeks with failing grade. Work may not be completed, but grade is included in calculation of average.

Inc.—Incomplete. Has permission of instructor to be completed within a time period designated by instructor, but not to exceed one year from the close of quarter in which course was taken. If Inc. remains, it is not included in grade point computation. To complete the work, a student should not register for the course again but should complete the work from the original registration.

Def.—Deferred. Used only for graduate courses of an individual, continuing nature such as thesis or research. When the work is completed, grade is changed to a letter grade.

ABS—Unauthorized withdrawal. Used when student fails to continue in attendance, but does not withdraw through a program change. Counted as an *E* in calculating grade point average.

S—Satisfactory. Used only for noncredit courses.

U—Unsatisfactory. Used only for noncredit courses.

Au—Audit. A student registering for a course on an "audit" basis receives no letter grade and no credit hours. An auditor's registration card must be marked accordingly and he pays the same fees as though he were registering for credit. A student registering for a course for audit may change to a credit status or vice versa through the official program change method during the first four weeks of a quarter. Thereafter the change may not be made.

ɔte: Letter grades *A, B, C, D,* and *E* as well as the grades WE and ABS are included in grade point averages for academic retention. Authorized withdrawals made through a program change during the first four weeks of the quarter do not carry a grade. After four weeks it is at the discretion of the instructor whether or not a letter grade will be given for an authorized withdrawal.

2 / Instructional Units

Agricultural Industries

he Department of Agricultural Industries offers graduate work leading the Master of Science degree in agricultural economics, agricultural ucation, and agricultural services. Students interested in the Doctor of ilosophy degree in agricultural economics should consult with the epartment of Economics. Students interested in the Specialist Certifite in agricultural education should consult with the Department of condary Education.

The three programs in the Department of Agricultural Industries leadg to the Master of Science degree require at least 48 hours of graduate urses, including a thesis or research paper. Students normally take 12 urs of credit per quarter making it possible to complete the M.S. degree i one year. A committee composed of at least three professors guides te candidate in his course work and research. All candidates must satisctorily pass an oral examination.

The M.S. degree in agricultural economics requires 20 hours of courses i agricultural economics and economics, 8 hours of statistics or advanced counting, a thesis, and other courses normally selected in the School of usiness. The program is designed for the professional agricultural econcist and for those desiring to continue their education by obtaining aPh.D.

The M.S. in agricultural education requires 26 hours of courses in riculture and education, 8 hours of statistics, a research paper or thesis, d other courses. The program is designed for preparing teachers for scondary schools, junior colleges, and for those desiring to continue their ucation by obtaining a Ph.D.

The M.S. in agricultural services requires 18 hours of courses in agricul-te, a research paper, and other courses. The program is designed to rmit students who are working in agriculture in such areas as extension rk and soil conservation employees, to expand their educational experiees in light of prospective employment goals and opportunities.

Application forms for admission into any of these programs may be ained from the Graduate School. Inquiries for financial assistance uld be addressed to the chairman of the department. Approval for gduate study in the department, with any necessary qualifications, is nde after review of the student's transcript and other supportive data. Additional information may be obtained from the Department of Agricultal Industries, Southern Illinois University, Carbondale, Illinois 62901.

Animal Industries

The Department of Animal Industries offers programs of study leading to th Master of Science degree. Programs may be designed to meet the dires of candidates in the various disciplines of animal behavior, breed-

ing, nutrition, and physiology. A minimum of 24 hours in animal industri courses, including a thesis is required. Research leading to a thesis can l conducted with any of the following species: beef, dairy, horses, poultr sheep, or swine. The candidate will select supporting courses in relate departments such as Applied Science, Chemistry, Mathematics, Micr biology, Physiology, and Zoology. Students selecting supporting cours in the basic sciences might do so with an interest in continuing wo towards the Ph.D. degree.

Students who wish to emphasize the study of animal production in program leading to the master of science degree might select a majori of their supporting courses from the Departments of Agricultural Indu tries or Plant Industries.

Students interested in animal science at the doctoral level can be a mitted to a program of study leading to the Ph.D. degree in physiolog The program which is administered by the graduate school through t Department of Physiology is adequately flexible to allow candidates emphasize such areas as behavioral science, endocrinology, meat scien metabolism, microbiology, physiological genetics, or reproductive phy iology.

Minimum requirements have been established for students enteri the Ph.D. program. These include undergraduate training in biolog inorganic and organic chemistry, and one year of both mathematics a physics. Deficiencies in these areas must be resolved prior to entry in the program.

Information concerning admission policies, requisites for graduati and availability of financial assistance for graduate study in any speci program can be obtained from the Department of Animal Industri Southern Illinois University, Carbondale, Illinois 62901.

Anthropology

General Requirements

Acceptance for graduate study in anthropology and subsequent contin tion in the graduate program are at the discretion of the Department Anthropology.

Application forms for admission to the Graduate School may be tained from the Graduate School. When submitting the completed ap cation to the Graduate School, the student must send official transcri of undergraduate and graduate work; three letters of recommendat and a personal statement of aims and interests addressed to the ch man of the department must also be submitted.

The Graduate Record Examination (Aptitude section and advan test in anthropology) must be taken by all students. If they are kno the scores should be reported with the application. If a student has done so previously, he must take the Graduate Record Examination the first opportunity after his entry into the department.

No special program of previous work is required, and applicants w academic degrees in fields other than anthropology are accepted. H ever, in consultation with the Department, a plan for remedying un graduate deficiencies in anthropology will be arranged.

The department does not require that every student take a mast degree on his way to the doctorate. Whether he does or not is a ma for decision by the student and the department. (For those who do have the Master of Arts degree in anthropology, formal admission

ıe doctoral program is dependent on the degree of success of the student ı the general examination.)

The program of study for each student will be worked out by the udent and his advisers. The normal course of study leads a student) present himself for the general examination after two years of full-time ɔurse work. Students with M.A.'s in anthropology are required to take ıe general examination at the end of the first year of residence. All hers are required to take this examination at the end of the second year. ny student may petition for examination before the deadline. For those epared to take the general examination at the earliest opportunity Fall, or Spring Quarter), the prior passing of the first foreign language xamination will be suspended. Candidates for the Doctor of Philosophy egree should plan an additional year of full-time study before presenting ıemselves for the special examination.

A student's overall progress in his studies is reviewed at the end of ıch year, or as may be necessary, in order to see that the requirements the department are being met and that the student's best interests are ing served.

Departmental Requirements

ormally, all graduate students in anthropology working for a higher egree must:

1. Complete the course-hour requirements as established by the Gradıte School: completion with a passing grade (*B* average) of a minimum 48 hours of course work plus the thesis for the master's degree and a inimum of 96 hours plus the dissertation for the doctorate.

2. Complete the equivalent of one or two academic years (3 or 6 arters) of course work with not less than a *B* average before present-g themselves for their general examination. As noted above, previous aduate or professional work in anthropology may lead to the three arter qualification to take the general examination. The normal course ad per quarter is 4 courses or approximately 12 hours. With assistantips this load will be reduced.

3. Pass one foreign language examination before presenting themselves r their general examination, except for those taking the general examinaɔn at the first opportunity. Students are urged to investigate ETS reign language examinations which may be taken prior to arrival at U, or at least be prepared to take this test in the first quarter of resince. The regulations concerned with foreign language requirements are tlined in this catalog; they may be discussed with the chairman of the partment. The student is urged to acquire this language competence the earliest opportunity so that he is equipped with a useful tool while rsuing his graduate studies.

4. Complete the following required course: Anthropology 415.

5. Pass with not less than a *B* average the general examination (bev) given in the fall and spring quarters. At the option of the departnt an oral examination may be required following the written examiation.

6. Satisfy all general University and Graduate School requirements as tlined in this catalog.

The General Examination

e coverage expected of the student presenting himself for the genel examination is stated in syllabi on the topics listed below. The

length of the written examination is three hours for each part. Studer may elect four of the six parts, satisfying the other two by an A or grade in a graduate seminar in each of the parts omitted.

1. Physical Anthropology
2. Archaeology
3. Linguistics
4. Social Anthropology
5. History of Anthropological Thought
6. Ethnology

The Special Examination

The field of study for the special examination is directed towards p ticular and concentrated study of a particular geographical area p s either two major topics or one major topic and a special topic. The fi d of study is determined after consultation with the department; study s currently invited or encouraged in the following topics and areas (mo fications will be considered as changes in faculty personnel and co petencies warrant).

Areas
North America:
Greater Southwest
Eastern U.S. (East of Rockies)
Arctic and sub-Arctic
Middle America:
Meso-America
Caribbean and Circum-Caribbean
South America:
Andean
Tropics
Pacific
Asia:
S.E. Asia
Africa:
West Africa
Europe:
Western Europe
Mediterranean Basin

Major Topics
Archaeology
Ethnology
Linguistics
Social Anthropology

Special Topics
Applied Anthropology
Art
Ecology
Ethnohistory
Folklore

The nature of the special field of study, its scope and limits, re determined in consultation with the department and delimited at he student's colloquium.

The normal expectancy is that the student's dissertation topic wil be derived from his special field of concentration; however, in consulta on with the department, exceptions may be made.

Master's Degree

Students who wish to take a master's degree will be advanced to ca di- dacy, if they have met the requirements under departmental req re- ments (above). Completion of the degree requires the presentation f a satisfactory thesis. A principal adviser on the topic chosen for the t sis will be appointed by the department. A student may petition for ub- stitution of a significant publication for the thesis.

Doctor of Philosophy Degree

Students who wish to take a Doctor of Philosophy degree and who have met the departmental requirements (above) will consult the department in order to select a special field of study.

This selection will be made in consultation with a special field adviser and committee designated to guide the student's preparation for the Special Examination. The student's plan of special study will be presented at a colloquium for approval by this committee.

The student should plan not less than one academic year, or its equivalent, in residence after the successful completion of his general examination before presenting himself for his special examination. However, the student cannot present himself for the special examination sooner than six months after completing his second foreign language requirement, or his alternative requirements in statistics or computers.

Field Research

A student cannot be recommended for the award of the Doctor of Philosophy degree unless he has had the experience of field research acceptable to the department.

Thesis and Dissertation Credit

Candidates for the Master of Arts degree must register for 5 hours of thesis credit under Anthropology 599. Candidates for the Doctor of Philosophy degree must register for 36 hours of dissertation credit under Anthropology 600; not more than 18 hours' credit can be earned in any one quarter.

Dissertation

After successful completion of the special examination, a candidate for the Doctor of Philosophy degree will consult with the department in order to select the topic for his dissertation. The chairman of his dissertation committee will then be appointed and, together with the committee, will advise the student accordingly.

Applied Science

Students may pursue a Master of Science Degree with a major in applied science. Typical areas of study in applied science are materials science and nuclear science.

Acceptance for a degree program is made by the dean of the School of Technology and subject to the admission requirements of the Graduate School. An applicant must have received a bachelor's degree with a major in engineering, engineering technology, physics, chemistry, or mathematics or with an emphasis in these fields.

Degree requirements are consistent with the general requirements of the Graduate School with a minimum of 48 hours of graduate credit required, including a thesis. A program of study will be developed by the advisory committee and the student. When the student has chosen a thesis topic and a staff member has consented to direct the project, the thesis director will become the student's advisor and will function as chairman of the advisory committee.

One-half or one-quarter time instructorships, teaching or research as-

sistantships, and fellowships are available for qualified applicants. A ditional information about programs, courses, instructorships, assistan ships, and fellowships may be obtained from the dean of the School Technology.

Art

Graduate Programs in art lead to the Master of Fine Arts degree in stud and to the Master of Science degree in art education. The candidate expected to select an area of specialization (studio or art educatio around which his program will be planned in consultation with the maj professor in that area.

Requirements for the Master of Fine Arts degree in studio (paintir sculpture, printmaking and drawing, ceramics, metalsmithing, and wea ing) total 60 quarter hours. These hours are distributed as follows: 30 major field, 12 in art history, 5 to 9 in thesis or terminal project work, a the remainder in electives. The candidate for the Master of Fine A degree must in addition to the completion of course work, present terminal project, and participate in an oral examination. Residency quirement for this degree is at least two academic years, or six acader quarters. The University also asserts the right to retain an example the candidate's creative work, and this selection will be made from work presented in the graduate exhibition.

Requirements for the Master of Science degree in art education to a minimum of 48 quarter hours. These hours are distributed as follo 16 in education, 32 to be elected from the areas of art education, history and studio, 5 to 9 quarter hours are to be devoted to either the work or research work. Such work will result in the writing of a thesis a research paper. The candidate must participate in an oral examinat of the above mentioned thesis or research paper.

Undergraduate requirement for admission to the Master of Fine A program is a degree in art or art education; for admission to the Ma of Science in Education, a degree in art education. Any exception to th requirements must be with the approval of the faculty in the special deg program, and with the consent of the chairman of the Department of

Asian Studies

A graduate minor is offered in Asian Studies which may be made by selecting from the following courses which are listed by departme Agricultural Industries 417; Anthropology 401, 483, 585, Art 451a,c, 571, 572; Economics 460, 461, 462; Geography 466, 522; Government 458a,b,c, 480, 521, 595; History 448, 449, 455, 510, 514; Philosophy 591. Thesis and dissertations on Asian topics may also be written by dents in any of several majors.

Interested graduate students may write to or consult with the cl man of the Committee on Asian Studies.

Biological Sciences

Requirements for Admission

1. Bachelor's degree with a major in a natural science departm

2. Admission to the Graduate School.
3. Approval of the chairman of the Biological Sciences Committee or is designated representative.

Requirements for the Degree

omplete 60 hours of graduate courses in the biological sciences. The ecific courses required of any student are to be determined by con-ltation between the student and the program committee, with the llowing provisions:

1. No more than 35 hours of credit in any one department may be used for the degree.
2. No minor area is required.
3. Have at least 24 hours of credit in 500-level courses. These may not include more than 4 hours for "special problems," 4 hours for "seminars," and 4 hours for "readings."
4. Complete at least one 400- or 500-level laboratory course in three of the departments of the biological sciences. (No special credit, such as indicated in 3 above, will satisfy this requirement.)
5. Submit a research paper.
6. Attend, for credit, at least one quarter of seminar in three of the departments of the biological sciences.

Advisement

uidance of students shall be by a program committee of three mem-rs, one from each of the biological science departments involved, or her departments at the discretion of the program committee. The pro-am director will serve as an *ex-officio* member.

Graduate work may be taken in the Departments of Botany, Micro-logy, Physiology, and Zoology to obtain a Master of Science degree i biological science in the College of Liberal Arts and Science.

Botany

aduate work may be taken in the Department of Botany as a major o minor leading to the Master of Arts, Master of Science, and Doctor o Philosophy degrees and as a part of the program in biological sciences ding to the Master of Science or the Master of Science in Education gree.

Applicants for the advanced degrees must be approved by the depart-nt. Queries concerning graduate work in botany should be made to graduate adviser in botany. To be eligible for graduate work in any, the student must have an equivalent to an undergraduate minor botany. Certain deficiencies may be made up concurrently with grad-e work.

n accordance with the general requirements of the Graduate School, andidate for the Master of Arts or Master of Science degree must plete 48 hours of graduate credit and a thesis. The Master of Arts didate must demonstrate a competence in a foreign language.

he Doctor of Philosophy degree requires, in addition to a dissertation, eading knowledge of two foreign languages or one foreign language statistics, if recommended by the candidate's committee.

Business Administration

The graduate faculty in business administration, consisting of mem bers of the Departments of Accounting, Management, Marketing, an the Faculty of Finance of the School of Business at Carbondale, offe the Master of Business Administration degree. The M.B.A. progra has as its objective the development of professional managers and exec tives to serve the needs of business and government and to prepare i terested graduates for doctoral study. The program has been structure with flexibility so as to serve holders of baccalaureate degrees in bus ness administration as well as those who hold degrees in other discipline

M.B.A. Admission Requirements

1. Complete all admission requirements set forth by the Gradua School of Southern Illinois University.
2. Complete the Admission Test for Graduate Study in Busine (Princeton Test) and have the results of the test mailed directly to t director of graduate programs in Business Administration. Informati regarding this test is available by writing to: Admission Test for Gra uate Study in Business, Educational Testing Service, Box 966, Princet New Jersey 08540.
3. Complete an interview with the director of graduate programs Business Administration. This interview may be delayed in individu cases where a special trip to the campus would require travel in exc of one hundred miles to reach the Carbondale campus.
4. An undergraduate cumulative grade point average of 4.00 is p ferred, and less than a 3.75 grade point average is accepted with r exception.

M.B.A. Degree Requirements

A minimum of 48 quarter hours of course work plus a terminal exami tion (oral, written, or both) are required. Candidates who receive p mission to write a thesis must complete a minimum of 44 quarter ho of course work plus an acceptable thesis for which 8 quarter hours f credit are assigned.

Candidates who lack the necessary prerequisites may be required o complete as much as 80 quarter hours of acceptable course work. Th who enter the Master of Business Administration program with e ficiencies in any of the core areas of business administration or in ma matics must eliminate the deficiencies in a satisfactory manner prio starting the program course work. The seven core areas as stipulated y the American Association of Collegiate Schools of Business include: c counting, business law or legal environment of business, economics fi nance, management, marketing, and statistics.

The Master of Business Administration program course work t taken beyond that needed to eliminate deficiencies is determined o individual basis in conference with the director of graduate program business administration. Candidates must satisfy requirements in following areas: quantitative methods, accounting, economics, behavi sciences, legal environment of business, finance, marketing, manage communication, and business policy.

The candidate may select a concentration, not to exceed 15 qu

hours of credit, from one of the following: accounting, finance, management (personnel or production), marketing, or transportation. The candidate may also choose courses in a wide variety of areas of graduate study throughout Southern Illinois University.

Chemistry

Graduate courses of study leading to the Doctor of Philosophy and Master of Science degrees are offered by the Department of Chemistry. Interested students should consult the chairman of the Department of Chemistry for a complete statement of the requirements for each degree. The following is a summary of these requirements.

Master of Science Degree

In addition to meeting the general requirements of the Graduate School, a candidate for the Master of Science degree in chemistry is required to:

1. Pass field examinations in 3 of the 5 fields (analytical, inorganic, organic, physical, and biochemistry) of chemistry or complete their equivalent in course work with a grade of *B* within the first six quarters of residence.
2. Earn 9 credit hours at the 500 level in one of the five basic fields of chemistry (Chemistry 451a,b,c may be taken in place of two 500 level biochemistry courses) and earn credit in one chemistry course at the 500 level in each of two other fields.
3. Earn 40 hours credit in chemistry courses or 30 hours if an outside minor is elected.
4. Maintain a 3.75 grade point average in formal lecture courses.
5. Attend weekly seminars and earn one hour credit (Chemistry 595) by presentation of a seminar.
6. Earn a minimum of 12 hours in research and thesis (Chemistry 596 and 597).
7. Demonstrate by satisfactory performance in a departmentally-administered examination a reading competency in scientific German, Russian, or French.
8. Pass a final oral examination.

Doctor of Philosophy Degree

A candidate for the Doctor of Philosophy degree must meet all of the requirements of the Graduate School and all of the requirements of the Department of Chemistry for the master's degree (except for the thesis requirement which may be omitted with departmental consent). In addition the candidate must:

1. Pass field examinations in physical chemistry and three of the other four fields (analytical, inorganic, organic and biochemistry) of chemistry or complete their equivalent in course work with a minimum grade of *B* within the first nine months of residence.
2. Complete a course of study as determined by his graduate committee.
3. Earn one hour credit in seminar (Chemistry 595) beyond the Master of Science degree requirement and attend weekly seminars.
4. Earn a minimum of 48 hours in research and dissertation (Chemistry 598 and 600).
5. Pass cumulative examinations in the major field of study.
6. Maintain a 4.00 grade point average in formal lecture courses.

7. Pass preliminary oral and final oral examinations.
8. Demonstrate by satisfactory performance in a departmentally administered examination a reading competency in scientific German Russian, or French.

Community Development

The program is interdisciplinary. A candidate for the Master of Scienc degree in community development will take a portion of his work i related academic fields. Depending upon his professional plans, it wi be possible for him to minor in a field such as agriculture, anthropology economics, education, geography, government, history, psychology, c sociology. Undergraduate work in more than one of these fields is a de sirable background for graduate study in community development. Stu dents with inadequate backgrounds may be required to take certai courses to strengthen their preparation.

The period of study and training is planned to encompass one an one-half to two academic years. Included must be a minimum of 4 hours of graduate credit, plus a one year internship in community d velopment, field consultation, leadership training or applied researc Only a limited number of students can be enrolled in any one year.

The requirements for the Master of Science degree in community d velopment include the following:

1. Courses specifically designed or approved by the Community D velopment Institute, including a thesis, totaling 28 to 32 hours.
2. Work in one or more allied fields, such as anthropology, educatio psychology, sociology totaling 16 to 20 hours.
3. One year of part-time noncredit graduate internship. (This m be reduced or waived for exceptional students with one or more yea of acceptable professional experience in community development work
4. Fulfillment of the requirements of the Graduate School.

Design

The Department of Design attempts a generalized rather than a speci ized design education. Through his undergraduate years the student led to treat of man and his environmental transactions in terms of wh systems rather than of isolated aspects or component parts. Empha is placed on the overall solutions to human problems which may be c compassed through design procedures.

The graduate program of the department continues this broad in grative approach but assumes that, at this level, the student should c centrate his studies in a more closely defined area within which he sho work in depth.

It is recognized, however, within the present massive accelerations the design possibilities of man's control over his environment, that format of such graduate study should offer the utmost flexibility a capacity for change. The entire graduate program should be viewed experimental in nature and one whose content and approach will adjusted according to experience and field developments.

Students with an undergraduate background in various areas of des specialization may qualify for the master's degree program. In addit on the premise that the association of diverse disciplines participa

In the design process may often yield productive and enriching interactions, students with an undergraduate background in fields other than design will be accommodated. Special arrangements should be developed in consultation with the chairman of the department.

A two-year graduate course of study, leading to the Master of Science degree in design, is offered in the areas listed below. The program requires at least 34 hours of graduate study in the Department of Design; at least 18 hours of study outside the department, selected with the adviser; and 9 thesis hours. Specialized areas are: (1) design in education, (2) communications in design, (3) industrial design, (4) environmental planning, and (5) generalized design science, directly oriented toward the design philosophy of R. Buckminster Fuller.

Within the structure of this program, graduates will work in an operational research and workteam organization rather than a formal classroom situation. There will also be the opportunity to participate in seminars and lectures given by distinguished visiting professors to the department and of conducting research under their guidance.

Economics

Graduate courses in economics may be taken as a major or minor leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees.

A student may complete requirements for the master's degree through the successful completion of: (1) 48 hours of graduate work, including the master's thesis; or (2) successful completion of the preliminary doctoral examination. Each master's degree candidate is required to complete at least 33 hours in economics, including certain required courses.

Graduate students with no undergraduate deficiencies, with no language handicaps, and with no outside demands upon their time may find it possible, by taking the heavy graduate load of 16 hours each quarter, to complete the master's degree in three quarters, roughly nine months. Most such graduate students require four quarters. Students with undergraduate deficiencies, language difficulties (especially foreign students), or outside demands upon their time should expect to take five quarters.

The Graduate Record Examination is required of all applicants for admission.

If a student wishes to combine his study of economics with the fields represented in the College of Liberal Arts and Sciences, he should apply for a Master of Arts degree. If he wishes to combine his study of economics with fields represented in the School of Business, the School of Agriculture, or similar schools, he should apply for a Master of Science degree.

The Doctor of Philosophy degree is awarded for high accomplishment as evidenced by successful completion of these steps.

1. Demonstrating proficiency in two research tools chosen from the three possible choices for foreign language, statistics, and computer programing. If a student chooses computer programing, he must obtain special permission from the Economic Department's computer committee.

2. Passing a written examination covering the core areas of economic statistics, history of economic thought, mathematical economics, comparative economic systems, and macro and micro economic theory.

3. Passing written and oral preliminary examinations in economic theory plus three specialized areas chosen from a list that includes: inter- nation economics, human resources, public finance, comparative economic systems, political economy, quantitative economics, money and banking, economic development, economic history, agricultural economics, or any graduate level field having a reasonable connection with economics. A student may choose only one of the last two of these specialized fields

4. Presenting the results of original research in a dissertation which must be defended in an oral examination before a faculty committee

After a student has been granted admission to a graduate program o the Department of Economics, he must consult the departmental grad uate student adviser who will aid him in the selection of courses and i fulfilling the various steps toward the degree. Once a master's thesis o doctoral dissertation topic has been chosen and a graduate faculty membe has consented to direct the project, the faculty member becomes the stu dent's adviser for the purposes of the thesis or dissertation. A thesis o dissertation topic may not be registered with the Graduate School unt it has been approved by a committee of three graduate faculty member including the thesis or dissertation director.

Information on graduate and research assistantships may be obtaine from the director of graduate studies of the Department of Economic More detailed descriptions of the Master of Arts, Master of Science, an Doctor of Philosophy degree programs are also obtainable from th director.

Education

One may pursue a program of study leading to the Doctor of Philosoph degree in education through any one of three functional areas: curriculu and instruction; educational psychology; educational administration a social and philosophical foundations. Specialties are available within t functional areas depending upon the student's interests. For examp in educational psychology he may choose a specialty in human learnin learning resources, special education or counseling and guidance. In programs, students must satisfy the general requirements of the Gra uate School in addition to the special requirements for the Doctor Philosophy degree in education.

Application

An applicant must submit, to the coordinator of the functional area which he wishes to do his work, his scores from the Graduate Rec Examination and the Miller Analogy test, and other pertinent data. F lowing review by the area's screening committee, the coordinator will form him of the committee's decision.

Advisement

For each student, the coordinator of his functional area appoints a p gram committee consisting of a chairman, who is in the student's fu tional area and who is authorized to direct doctoral dissertations, two other members, at least one of whom must be from outside the dent's functional area. His program, planned to include all of his g uate study beyond the master's degree, should be approved at a mee of the student with his committee. Copies of the approved program

iled with the members of the committee, the student, the area coordinator, nd the assistant dean for graduate studies. Appropriate program changes nust be approved and filed in the same manner.

Program Requirements

Full-time residence of one quarter (or two summer sessions of at least ight weeks each) is required for the Master of Science in Education legree.

Each doctoral student in education must successfully complete a pre-cribed core of 12 credits in psychological foundations of education and ocial and philosophical foundations of education combined. In a func-ional area certain basic courses may be required beyond the common ore. Specialties within the functional areas are supported by specific ourses and other experiences agreed upon by the student and his pro-ram committee.

Research Tool Requirements

. ADMINISTRATION AND SOCIAL AND PHILOSOPHICAL FOUNDATIONS

he faculty of the Functional Area of Administration and Social and hilosophical Foundations recognizes the research orientation for the octor of Philosophy degree. It further recognizes that the multiplicity f educational programs in the Functional Area demands varying com-etencies in research. For this reason, no common research tool will be quired of all students. Specific research tool competencies and proce-ures for evaluation shall be determined by the program committee of ch applicant congruent with the professional preparation and goal ex-ectations of the student and the requirements of the student's con-ntration.

CURRICULUM AND INSTRUCTION

ach candidate for the Doctor of Philosophy degree shall be required to monstrate competence in a minimum of one research tool chosen by s program committee from a list approved by the area of Curriculum d Instruction. The tool or tools shall embody skills needed in under-nding materials in the fields, or in the conduct of research for the ssertation, or in continuing research contributions in the field of ecialization. Approved research tools include foreign languages (one nguage is one research tool), statistics, and computer programming. oficiency examinations are required for languages and computer pro-amming, and may be used for statistics. If courses are taken to satisfy y research tool requirement, those courses will not count toward the nimum credit requirement for the degree. A student whose native nguage is other than English may not offer English as one language, d will demonstrate his proficiency in his course work. The student's tive language is not acceptable as a research tool. The research tool quirement must be satisfied before the student may take the preliminary amination.

Proficiency in foreign languages will be determined by means of the ducational Testing Service's graduate foreign language examinations, dministered by the Counseling and Testing Center once each quarter. e ETS examinations are available only in French, German, Russian, d Spanish. A student who wishes to present any other language must

have his program committee recommend to the Dean of the Graduat School this particular language as necessary in dissertation research. Th dean must approve the recommendation before arrangements for testin in that language can be made with the Department of Foreign Language or any other testing service.

If a student fails an examination in a particular language twice, h will be required to take the course 161 in that language before taking th examination again. After a third failure of the doctoral examination i the same language, the student must successfully petition the dean of th Graduate School before taking the examination a fourth time.

A student whose advisory committee chooses statistics as a researc tool may demonstrate proficiency by passing a sequence of courses statistics (Guidance 505, 506, 507; Mathematics 410a,b,c or d; 480a,b, or 483a,b,c) with a grade of *B* or better in each of the three courses. the student has some background in statistics and the approval of h advisory committee, he may meet this requirement by skipping the fi course and taking the second and third, in which he must earn a *B* better. Or, if his background is thought adequate by his committee, he m take a proficiency examination equivalent to the final examination in three courses of a given sequence, with that exam to be administered the instructor of that sequence, and on which the student must make grade of *B* or better.

The student for whom the computer programming option is chosen w demonstrate that he can competently use two programming languag ALGOL and FORTRAN. He will be required to pass a written exami tion, and then to demonstrate that he has developed some sophistica skill in the use of the computer languages by writing programs to complish specified tasks. Any courses taken to help achieve the necessa skills cannot be used for credit toward a Ph.D. degree.

C. EDUCATIONAL PSYCHOLOGY

A research degree in the educational psychology functional area requi competencies of all students in statistics, learning and personality, a development. These competencies are attested by examination.

No specific research tool will be required for all students. Competen which facilitate specific research skills will be determined by the can date's program and dissertation committee.

Preliminary Examinations

When a student has passed the research-tools requirement and comple at least 36 hours beyond a master's degree or its equivalent, he m apply to the College of Education for permission to take the prelimi examination. The preliminary examination will assess the stude competencies in his field of specialization, including the research find and techniques necessary for scholarship and productive work in his f

Dissertation

The dissertation committee consists of a chairman who is authorize direct doctoral dissertations and at least three others who are author to serve on dissertation committees. The committee is appointed by dean of the Graduate School on the recommendation of the area's ordinator through the assistant dean. At least one member of the mittee must be from a functional area other than that of the stu

nd at least one must be from a related area other than professional ducation.

Satisfactory completion of the dissertation requirement includes the assing of an oral examination which covers the dissertation and related reas.

Educational Administration and Foundations

his department carries extensive graduate offerings in educational administration, instructional supervision, and educational foundations in upport of the Master of Science in Education degree, the Sixth-Year pecialist's Certificate, and the Doctor of Philosophy degree in education.

The department administers its programs leading to the master's egree and the Sixth-Year Specialist's certificate, and provides programs nd personnel for doctoral students who wish to specialize in educaonal administration, general instructional supervision, and educational undations.

Master of Science in Education

t the master's level, majors are offered in educational administration nd in instructional supervision. Graduate courses taken in the departent must follow the pattern of prerequisites for admission to courses. dmission to master's degree work in the department must be approved the department's admissions committee. The department's admisons requirements are available upon request to the chairman. Degree ndidates' programs of courses must be approved by the appropriate viser in the department. Transfer from unclassified status will conm to Graduate School and departmental requirements for such transfer.

The program for the Master of Science in Education degree, with a ajor in educational administration includes a basic core, and educational undations sequence, research and tool subjects, and selected specialized urses. A research paper an a comprehensive oral examination are also quired. The department stresses the advantage of an academic field aching major for all educational administration students. An applicant the degree is expected to have two years of successful teaching experie e and must be able to meet the general administrative certification reqrements of his respective state before the master's degree is conferred.

The regulations for the master's degree, with a major in instructional pervision, parallel those for the degree in educational administration. Students in this area normally select specialized courses in supervision a curriculum appropriate to their goals as supervisors, (i.e. elementary, condary or both). The department encourages a cross-departmental apach in the selection of appropriate courses for individual programs.

Sixth-Year Specialist's Certificate

Admission standards for the Sixth-Year Specialist's certificate program parallel the admission requirements for the Doctor of Philosophy degree program. All candidates must have the master's degree or its equivalent. Prerequisites to this program include the required courses for the Master of Science in Education degree in educational administration which are not included in the student's master's degree program.

At least 16 hours in graduate courses will be taken in foundation fields of educational administration, at least 16 hours in the area of adminis-

trative specialization, at least 8 hours either in an internship or practicum and five hours in a field study.

The Sixth-Year Specialist's certificate program will be designed by the candidate and his adviser subject to the approval of the advisory committee to the department. Specific courses and the sequence in which they are to be taken must be approved by the advisory committee. The department requires a comprehensive written examination as the final step toward the sixth-year program.

Doctor of Philosophy

Educational administration and foundations participates in the doctoral program in education in the functional area of educational administration and social and philosophical foundations. Students interested in educational administration and in social and philosophical foundations may pursue an equivalent of a major within the area program. For additional information on the Ph.D. in Education see the preceding section above. Inquiries should be addressed to the coordinator for the area of educational administration and social and philosophical foundations in the College of Education.

Elementary Education

Graduate programs in the Department of Elementary Education lead to the Master of Science in Education degree and the specialist's certificate, and contribute to the Doctor of Philosophy degree program in education.

Each graduate major in elementary education and in early childhood education for the Master of Science in Education degree consists of a total of 48 hours. Programs have been developed to serve a variety of specialties in the field of elementary education such as: language arts, reading, social studies, elementary mathematics, elementary science, supervision of elementary subject areas. Courses are also offered which support the program in elementary administration, although students seeking certification or a degree in this field major in the Department of Educational Administration and Foundations.

Each graduate program includes certain required courses, guided electives, and related courses in liberal arts. All programs must be planned with and approved by the graduate advisers in elementary education or in early childhood education. Specific course requirements for a given program may be obtained upon request from the Department of Elementary Education.

Students in early childhood education who have not had psychology or Guidance 412, or Sociology 427, or Health Education 312, or the equivalent of one of these, are required to take four hours in psychology or guidance. Educational Administration 554 or 555 or the equivalent is required.

Elementary Education participates in the doctoral program in education in the functional area of curriculum and instruction. Students interested in elementary education may pursue an equivalent of a major within the area program. For additional information on the Ph.D. in education, see the preceding section entitled education. Inquiries should be addressed to the coordinator for the area of curriculum and instruction in the College of Education.

The Master's Degree

In lieu of a thesis, students are required to write a research paper and take Guidance 422a or its equivalent and Educational Administration 500.

A total of from 8 to 12 hours should be selected from departments outside of the College of Education.

At least 24 hours must be on the 500 level.

Those who have undergraduate degrees in other fields, regardless of teaching experience, are required to complete, without graduate credit, at least four hours of elementary methods (314 or equivalent) and eight hours of elementary student teaching. The teaching must be done in residence at a university or college approved by the National Council for Accreditation of Teacher Education.

Any student taking graduate courses without first being approved by his adviser risks having work not accepted for the degree.

The Sixth-Year Specialist's Certificate

The Sixth-Year Specialist's Certificate Program requires 45 quarter hours of work. The program is individually planned to meet the student's professional objectives. Part of the program includes a project which shows the ability to conduct individual investigation.

The Doctor's Degree

The Department of Elementary Education participates in the Doctor of Philosophy degree in education with a major in curriculum and instruction with emphasis in elementary education. The applicant is approved only after admission to the curriculum and instruction functional area. Research requirements of the area must be met. Required also are completion of the preliminary examination in the field of specialization and the dissertation. The program has certain core requirements but is individually planned to meet the professional needs of the student. Opportunities are available for a strong subject-matter minor if one is interested, for instance in a special subject-matter field in the elementary school. Write to the chairman of the Department of Elementary Education for detailed requirements.

Engineering

Graduate study programs leading to a Master of Science degree with a major in engineering are available in the following functional areas of engineering:

Electrical sciences—circuits, electronics, fields, controls

Fluid mechanics—viscous and inviscid flow, compressible flow, turbulence, wave motion

Solid mechanics and structures—continuum mechanics, dynamics and vibrations, experimental stress analysis, stability, structural analysis and design

Transfer processes and environmental engineering—heat transfer, mass transfer, chemical processes, water resources development, air and water pollution control

Systems engineering—bio-engineering, hybrid computation, control and instrumentation, computer applications, operations research and mathematical model formulation

Course work is also offered in such areas as energy conversion and engineering design. Students may take course work in one of the other branches of engineering or other areas of science such as physics, chemistry, mathematics, or geology with the approval of the Graduate Committee.

Students who are interested in advanced study in engineering must be admitted to the Graduate School and accepted in the degree program by the School of Technology. In order to be admitted to candidacy for a graduate degree in engineering, the student must have had the equivalent of the coursework required for the Bachelor of Science degree in Engineering. Students whose undergraduate training is deficient may be required to take additional course work without graduate credit. Degree requirements are consistent with the general requirements of the Graduate School with a minimum of 48 hours of graduate credit required, including a thesis.

One-half or one-quarter time instructorships, teaching or research assistantships, and fellowships are available for qualified applicants. Additional information about programs, courses, instructorships, assistantships, and fellowships may be obtained from the School of Technology.

English

Graduate courses in English may be taken for major or minor in the Master of Arts program, for a major in the English as a Foreign Language program leading to the Master of Arts degree, for the subject-matter major in the Master of Science in Education program, and for the Doctor of Philosophy degree. Inquiries about admission to graduate study in English should be sent to the director of graduate studies in English, Department of English, Southern Illinois University, Carbondale, Illinois 62901.

For the Master of Arts degree in English, the student must satisfy the following requirements:

1. Complete at least 48 hours of satisfactory graduate work.
2. Take English 500 in the first term it is available to him.
3. Take a course in the English Language or in linguistics.
4. Take English 585 (required only of teaching assistants).
5. Pass the Educational Testing Service examination for one foreign language, normally either French or German.
6. Submit to the director a clean copy of that research paper which best represents his abilities and accomplishments.
7. Pass the master's comprehensive examination.

For the Doctor of Philosophy degree in English, the student must satisfy the following requirements:

1. If he has not already taken such courses on the graduate level, take at least one course in each of the following fields: English literature to 1500, 1500–1660, 1660–1800, 1790–1900, 1885 to date, and American literature.
2. If he has never had courses, graduate or undergraduate, in Chaucer, Shakespeare, and Milton, remedy this deficiency.
3. Present evidence of competence in English language and linguistics, normally by completing the appropriate courses with a grade not lower than *B*.

4. Satisfy two research-tool requirements. (See below.)
5. Pass preliminary examinations in English and American literature, he preparation for which is prescribed by his advisory committee.
6. Submit a satisfactory dissertation.
7. Pass a final oral examination.

Research tool options

A student may satisfy the research tool requirements by fulfilling one f the three options listed below. The choice of option and languages elected must be approved by the student's advisory committee.

1. A reading knowledge, demonstrated by examination, of two languages n addition to English, selected from any language in which there is ubstantial literature for research and which is germane to the student's eld. Foreign students may specify their native language as one of the oreign languages, provided it is one which meets the above requirements. 'oreign students choosing this option will be required to demonstrate uency in oral and written English.
2. A command of one foreign language and its literature demonstrated y examination or by at least three courses numbered 400 or above, with n average grade not lower than 4.0. Preparation for this examination ormally would require the equivalent of three years of study at the ollege level with grades of *B* or better. Foreign students may use their ative language, provided it is one which is germane to the particular eld of major concentration. Foreign students choosing this option will be equired to demonstrate fluency in oral and written English.
3. A student may elect to offer a single foreign language, and a special esearch technique or collateral field of knowledge. A special research chnique should represent the acquisition of any special skill that will ffectively contribute to the research proficiency of the student (provided hat such a skill is not an assumed or traditional part of the major). The llateral field of knowledge is expected to broaden the student's scholarly ackground by permitting exploration of knowledge in a field related to he major.

To satisfy the research technique or collateral field requirement, the udent may complete a total of three courses numbered 400 or above, ith an average grade not lower than 4.0.

English as a Foreign Language

raduate courses in theoretical and applied linguistics are offered lead- g to the Master of Arts degree in English as a foreign language. Courses, th undergraduate and graduate, are also offered for a minor in lin- istics; only graduate courses are offered for a minor in English as a reign language. Applicants for admission should send inquiries to the rector, Linguistics/MAEFL, Department of English, Southern Illinois niversity, Carbondale, Illinois 62901.

Master of Arts Degree in English as a Foreign Language

Applicants to the program in English as a foreign language, besides eeting the general conditions for admission to the Graduate School, ust have an undergraduate average of at least 3.8. An undergraduate ckground in any of the following fields is desirable: English, anthro- logy, foreign languages, education, philosophy, psychology, mathematics. hose applicants who have less than a 3.8 average or who have an under-

graduate background other than those specified may be admitted only after consultation with the director of the program. Applicants who are not native speakers of English must meet the following additional requirements: undergraduate concentration, or the equivalent, in English language or literature; TOEFL examination score of at least 550; satisfactory English language proficiency in the language examinations administered on arrival at the University. Deficiencies will be made up as necessary.

The curriculum is designed to give systematic work in both theoretical linguistics and applied linguistics (methodology for the teaching of English as a foreign language). For the major, students are expected to take 32 hours of theoretical linguistics—English 400, 450a,b, 407a, 504a, 505a; Anthropology 401, 413, 13 hours of applied linguistics—English 588a,b,c; 569, and 3 hours of a related elective at the 500 level. Students must maintain an average of *B* for the first 26 hours of graduate work in order to qualify to take the written comprehensive examination required for the M.A. in English as a foreign language. This examination may not be taken more than twice. If the candidate fails this examination both times, he will receive a certificate of attendance and achievement. The candidate must submit to the chairman of the EFL program a clear copy of a research paper (approved in one of his courses) which best represents his abilities and accomplishments.

Foreign Languages

For the Master of Arts and Master of Science in Education degrees major and minor are offered in French, German, and Spanish. A minor may be taken in Russian.

For the Master of Science in Education degree, Romance Philology 410 is required for students in French and Spanish, and for those in German, German 413 is required. For the Master of Arts degree in French and Spanish, Romance Philology 410 and three hours of either French or Spanish 515 are required. All romance philology courses may be counted toward either French or Spanish specializations. For the Master of Arts in German, German 413 and 533 are required.

Normally the bachelor's degree and a minimum of 27 hours in courses on the junior-senior level, or the equivalent, constitute the prerequisite for registration in graduate courses. However, students who do not meet this requirement may register for specific graduate courses with the consent of the instructor and the authorization of either the chairman of the department or the chairman of the graduate committee of the department.

Forestry

The Department of Forestry offers advanced courses for the Master of Science degree. Collateral course work in other departments of the University is recommended but varies with a student's specific program. The major forestry disciplines emphasized are: forest recreation and park management; forest resource economics; wood science and forest products; silviculture; tree breeding and improvement; forest biometrics; and forest watershed management. Also at the master's level a more diverse program in outdoor recreation resource management is offered to students with or without forestry undergraduate training. This program includ

a basic core composed of Management 540; Recreation 500; Forestry 450; Forestry 451a,b; Forestry 575. The remainder of the course work consists of selected electives which enable the student to combine his earlier academic experiences with a concentration in economic, natural, or social resources at the outdoor recreation resources management level.

In addition, cooperative curricula are available which permit graduate forestry students to enroll in Doctor of Philosophy programs with other departments. Syllabi are arranged on an individual student basis, emphasize an interdisciplinary approach, and orient within the biological, physical, or social sciences.

All candidates for the Master of Science degree will be expected to complete original research in some field related to forestry or outdoor recreation resources. For those concentrating in forestry this research shall lead to the completion of a thesis which will be governed by the rules of the Graduate School. Students in the outdoor recreation resource management program may elect either a thesis problem or a research problem. Competence in a foreign language is desirable but not required. The same number of minimum hours required by the Graduate School are acceptable to the Department of Forestry. Three letters of recommendation are requested in support of each candidate before he is accepted for graduate study. Submission of a 1,000-word theme prior to acceptance is required in addition to the completion of the aptitude test of the Graduate Record Examination. Additional details can be obtained by writing the Department of Forestry.

Geography

The Department of Geography offers programs leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. It also offers a concentration in geography as part of the Master of Science in Education program in secondary education.

The department offers particularly strong programs at both the master's and doctor's levels in several fields. Most important of these programs at present are in urban geography, regional economic development, industrial and transport geography; historical geography; cultural geography; climatology; resource management; and the geography of Africa and Latin America.

Master's Degree

Although there are several programs at the master's level, the basic objectives in each of these programs are the same.

A. Students are expected to develop and demonstrate a basic breadth of knowledge apropos of a professional geographer. Demonstration of breadth is achieved by satisfactory completion of pro-seminars in physical, cultural, and economic geography.

B. Students are expected to identify a specific professional goal and develop with their adviser a satisfactory schedule of courses to achieve penetration in depth in a specialization accordant with their professional goal. Penetration in depth is demonstrated by a satisfactory qualifying examination and preparation of an acceptable thesis or its equivalent.

Candidates for the Master of Arts or Master of Science degree may or may not present a minor. Candidates for the Master of Science in Education degree must work out a program acceptable to the College of Ed-

ucation. For any graduate degree, students without a minor may receive credit toward their degrees in geography for courses in other departments approved by their advisers.

The normal load ranges from 8 to 12 hours per quarter. Although the 48 hours required for graduation can be accomplished in four quarters, the department suggests that students who have assistantships think of six quarters as the time normally required to complete the master's degree. This longer time allows the student to complete a richer program and to spend adequate time in writing the thesis or its equivalent.

Doctor of Philosophy Degree

The objective of the Doctor of Philosophy degree program in geography is to develop scholars who can effectively carry on and present original research within the field of geography. To achieve this objective a general program has been designed to permit individual students maximum flexibility and penetration of geographic research in depth.

In addition to the general requirements of the Graduate School, the department has five prerequisites for admission to the departmental program:

All entering students will select a program adviser during their first quarter in residence.

During spring term of the student's first year in the program, he will take a qualifying examination, the objective of which is to examine the concepts, method, and reasoning power within the framework of the student's specialization. This examination and the student's overall performance during the first year will be evaluated to determine whether the student is to continue or discontinue in the program. Upon favorable recommendation, the student must then present a preliminary thesis proposal for discussion before his advisory committee. A thesis proposal is considered part of the qualifying examination and must be completed before the student can proceed into the second year of the master's program. During the second year, students should expect a comprehensive examination over the field of geography.

Proficiency in a language and one elementary course in statistics (M.A.) or quantitative techniques (statistics) (M.S.) is required in addition to the 48 hours of coursework for the Master's degree. This requirement should be met by examination or course completion prior to commencing thesis work. M.S. students can meet the requirement of competence in quantitative techniques by taking two courses (Guidance 505, and Geography 410a or b). If the student's training elsewhere includes statistics, this requirement may be waived upon consultation with his faculty adviser.

1. One personal and professional data form provided by the department must be completed and returned.

2. A statement of individual immediate and long range professional goals must be prepared by the student and submitted to the department along with the completed personal and professional data forms.

3. Four confidential letters of recommendation or recommendation forms provided by the department must be sent to the department chairman from faculty of schools the student has previously attended. It is the responsibility of the student to contact the four faculty members and request that the letters or forms be sent. In the case of foreign students, the four letters of evaluation are to be submitted to the departmental chairman rather than to the Foreign Admissions Office.

4. Evidence of attainment of a master's degree or its equivalent must be provided in the form of appropriate official transcripts.

5. Scores from GRE must be sent to the department prior to the beginning of the program.

The doctoral program is composed of four chronological stages culminating in the final acceptance of the dissertation. The first stage is a program of courses worked out between the student and his advisory committee to take advantage of the student's previous professional preparation, interests, and abilities, and to remedy any weaknesses in his background. Courses comprising this stage will be built from the following major elements implemented by specific courses approved by the student's advisory committee: (a) a core of courses in geographic methodology, (b) a series of courses, seminars, and independent research courses in his field of specialization, course work in cognate fields to supplement his specialized training, and (c) training in the skills of scholarly research. Specific courses will be recommended only in those areas where a student lacks a demonstrated competency.

The Department of Geography has neither a minimum number of requirements nor will it specify any preferred skills for research; instead, the determination of requirements shall be arranged by the graduate student's advisory committee upon consideration of his program.

The second stage is the qualifying examination which is taken at the completion of formal course requirements and upon the recommendation of the student's advisory committee. This is followed by admission to candidacy upon satisfactory performance on the qualifying examination. Finally, there is the dissertation which must be approved by the student's advisory committee and orally defended before an examining committee appointed by the dean of the Graduate School.

Geology

The Department of Geology offers programs leading to the Master of Arts and Master of Science degrees. All students entering these programs are required to take a placement examination administered a day or two before the start of the Fall and Spring terms each year.

The objective of the master's program is to develop the student's competence in the basic fields of geology and provide for specialization in line with individual capability and interest. Facilities and staff are available for studies involving surface and subsurface mapping, petrology, paleontology, micropaleontology, stratigraphy, crystallography-mineralogy, ore deposits, petroleum geology, environmental geology, groundwater, and exploration geophysics. Interdisciplinary research with other departments is encouraged. Preparation for teaching earth science at the high school and junior college level may also be undertaken in cooperation with the College of Education and other science departments.

All students are expected to be familiar with the Department of Geology policies and requirements. Master's candidates must pass a written comprehensive examination at least six months prior to completion of a thesis. A final oral examination, primarily concerned with defense of the thesis, is administered as the last step before graduation.

All students are expected to give evidence of competence in the basic sciences, including one full year of undergraduate physics. Forty-eight hours of graduate credit constitute the minimum that will be acceptable toward graduation. A reading knowledge of a foreign language, equivalent

to one year of college-level study, is required of all students seeking the Master of Arts degree.

Southern Illinois and the adjacent area offers a wide variety of geological conditions ideal for individual study as well as research. Experienced staff members work closely with students and provide individual assistance when necessary. Graduate teaching, research, and field assistantships are available to qualified students. The Illinois State Geological Survey and several major companies in the petroleum industry actively support geological work in this area.

Government

The Department of Government has a well-balanced graduate program in political science. Graduate courses in government may be taken as a major or cognate leading to the Master of Arts degree, as a part of a social studies major toward the Master of Science in Education degree and as a major leading toward the Doctor of Philosophy degree.

The subject-matter fields in which graduate students concentrate their study are:

1. American Government and Policy
   - National
   - State
   - Local (city and county)
   - Law and Judiciary
   - Crime and Correction
   - Intergovernmental Relations
   - Legislative Process
2. Public Administration and Organizational Behavior
3. Political Process
   - Parties
   - Interest Groups (Labor) and Public Opinion
   - Voting Behavior
   - Legislative Behavior
   - Political Sociology
   - Psychology and Politics
4. International Affairs
   - International Politics
   - International Organization
   - International Law
   - American Foreign Policy
5. Comparative Politics
   - Comparative Government
   - Latin America
   - Western Europe
   - Russian and Eastern Europe
   - Middle East
   - South Asia
   - Southeast Asia
   - Far East
6. Political Theory & Methodology
   - History of Political Philosophy
   - American Political Thought
   - Methodology and Empirical Theory

All candidates for graduate degrees will be expected to select one of ese areas as their major field and to demonstrate special competence th in that field and in a limited number of other areas of concentration. Application for admission to graduate study in government should be rected to the Graduate School. This application should be accompanied : 1) a vita encompassing the student's academic and practical experi- ce to date, 2) a broad statement of his purpose in undertaking studies the M.A. or Ph.D., 3) three letters of recommendation from former chers or supervisors. In the case of a Ph.D. applicant, at least two ters should be from former graduate professors including the director previous graduate work, 4) three copies of a complete transcript of all dergraduate and graduate work, and 5) scores of the Graduate Record amination (Verbal, Quantitative, and Field). The GRE will be waived nporarily only on the condition that it is physically impractical for the dent to take the examination, as in the case of a foreign student; and that event, the student will be required to take the examination at the t opportunity after arrival on campus. Applications and supporting terials should be submitted at least eight weeks prior to the beginning the quarter in which the student expects to take up residence. Depart- ntal processing of applications for acceptance as a graduate student in vernment is the joint responsibility of the department's director of duate studies and its graduate studies committee. The director of duate studies serves as adviser for all graduate students until such e as an adviser is named for the individual student, which will mally be done not later than the end of the first quarter in residence.

Master of Arts Degree

quirements for admission imposed by the department are in addition those of the Graduate School. The department will ordinarily accept candidates for the master's degree only those applicants who: 1) have duated from an accredited four year college or university; 2) have pleted a minimum of 24 quarter or 16 semester hours in the field of ernment or political science; 3) have a 3.7 (5-point scale) over-all le point average, or alternatively, 3.9 over-all for the last two years of ergraduate work; and 4) have a 4.0 over-all average in government or tical science. Applicants who do not meet these minimal requirements heir equivalent, but who do meet the minimum standards of the Grad- School, can be considered for acceptance only on petition to the artment's graduate studies committee which, if granted will be ac- panied by a statement specifying the course work that must be com- ed without credit toward the M.A. degree.

minimum of 48 quarter hours of credit, no more than 9 of which may or the thesis, constitutes the basic course requirements for the Master rts degree. At least 24 of these hours must be at the 500 level. The se work must be so planned as to include at least 8 hours of work in of two areas other than the one in which the thesis is to be written. student who completes only the minimum of 48 hours of course work devote no more than 8 of those hours to courses outside the depart- t unless the work is in a cognate field which has been approved as a cement for one of the areas of concentration within the department. he latter event, as many as 16 hours in outside fields may be counted in the 48 hour minimum.

ch candidate for a Master of Arts degree must include in his studies

the departmental course in the scope and method of political scien
Government 499.

A student must maintain an overall 4.0 (5 point scale) grade po
average in order to be eligible for the Master of Arts degree, and no m
than 9 hours of work with a grade of *C* may be counted toward
Master of Arts. A student whose work at any time falls significantly bel
this average may be dropped from the graduate program after consul
tion between his advisor and the director of graduate studies.

Proficiency in one modern foreign language is one of the Universit
requirements for the Master of Arts degree. This proficiency must
demonstrated by passing the national Educational Testing Service fore
language examination in that language, or an equivalent examinat
approved by the department.

An adviser *must* be chosen and topic for thesis approved no later t
the end of the second quarter of work. A thesis of the usual form
scope is required for the Master of Arts degree by the Departmen
Government. This requirement may be satisfied by an authorized int
ship report, of the same type and quality as a thesis. Additional co
work will not be accepted in lieu of a thesis.

The final oral examination will cover the thesis and the major are
which it was written, and it may also test the candidate's general c
petence in the field of government.

Doctor of Philosophy

Requirements for this degree imposed by the department are in addi
to those of the Graduate School. The department will ordinarily cons
accepting as potential candidates for the Doctor of Philosophy de
only applicants who have successfully completed the work for a Ma
of Arts degree or its equivalent in government or political science, a
accredited college or university, with a 4.5 (5 point scale) grade
average in all courses that have been taken for graduate credit. Applic
whose previous graduate work was not primarily in government or w
academic record is not up to the standard indicated but who do
the minimum standards of the Graduate School (4.25) may be consid
for admission only on a petition to the department's graduate st
committee which, if granted, will be accompanied by a statement spe
ing the course work that must be completed without credit towar
Doctor of Philosophy degree before the applicant has uncondit
standing.

At least one year (3 academic quarters) in residence is required
to the administration of the comprehensive preliminary examin
preceding admission to candidacy. The course work must be so di
among the various areas of study as to satisfy departmental require
and prepare the candidate for the preliminary examination.

At least one half of the course work must be at the 500 level. G
ment 500a is required. The student must also complete 8 hours of h
of political theory. This requirement may be satisfied by previous
graduate or graduate work. The student must also have comple
least one course in each of the six areas of concentration at some
in his academic studies, undergraduate or graduate.

The plan of studies approved for the student may include cognate
outside the Department of Government. Approval for a cognate fiel
be secured from his doctoral advisory committee.

Proficiency in two foreign languages, one language and statistics, one nguage and computer programming, or statistics and computer programing, is required of each candidate for the Doctor of Philosophy degree. he choice will be determined by the student in consultation with his visory committee, and should be relevant to the student's graduate proam. This requirement must be satisfied before the preliminary examinan for admission to candidacy is administered.

Language proficiency must be demonstrated by passing the national lucational Testing Service foreign language examination in that langage, or an equivalent examination approved by the department. Proiency in computer programming must be demonstrated by satisfactory mpletion of the computer programming examination prescribed by the partment. The statistics requirement may be satisfied by completion, h a minimum grade of *B*, of one of the following statistics course quences or an approved equivalent: Guidance 505, 506, and 507; or thematics 410a,b, and c or d; or 480a,b, and c. The statistics requirent may also be satisfied by satisfactory completion of the statistics mination prescribed by the department.

The comprehensive preliminary examination is given only when the plicant has completed all required courses, has completed the required iod of residence and has satisfied the language or equivalent requirent. The examination will be both oral and written, and must be comted within a two-week period. The student will be tested by his preinary examination committee in four of the six areas of graduate dy. Among the four, American government and policy and either comative politics or international relations are required. Special emphasis in the broader areas may be permitted, but general competency is ntial. Substitution of cognate areas is permitted, if approved by the dent's advisory committee.

dissertation showing high attainment in independent, original scholarand creative effort must be completed in meeting the final requirets of the degree of Doctor of Philosophy. The final examination is and devoted primarily to a defense of the dissertation.

Guidance and Educational Psychology

Department of Guidance and Educational Psychology offers proms at three levels. The Master of Science in Education degree, Sixth Specialist's certificate program and Doctor of Philosophy degree in cation are awarded after completing an appropriate series of learning riences in approved curriculum.

Admission and Advisement

ission to the programs is in accord with requirements of the Grad School. Persons seeking admission for the master's and specialist's ees should make application to the Graduate School through forms h may be obtained from the department. Completed forms together test scores constitute an admission dossier which is reviewed by a ling committee. Admission is generally granted six weeks before the ning of a quarter and applicants should file materials well in ad of a term in which they desire admission. Advisement for all pros of the department is decentralized and students are assigned to bers of the faculty at the time of admission.

Master's Degree in Guidance

The master's degree program offers two 48-hour curricula. One in e mentary guidance and one in secondary guidance. Both curricula designed for persons seeking Illinois teacher certification and presu either prior completion of Illinois teacher certification curricula or c current completion.

Master's Degree in Educational Psychology

A 48-hour curriculum in educational psychology is available for pers seeking preparation in the analysis of learning and child study. It not related to teacher certification but is intended to provide a basis advanced work in educational psychology at the doctoral level.

Sixth-Year Specialist's Certificate

Sixth-Year Specialist's certificates are offered in guidance (elemen or secondary school emphasis) and school psychology. The program guidance are offered through the department and are intended to pro school counselors with additional background and training to qualify administrative or special counseling positions in school guidance grams. The School Psychology program is offered in conjunction with Psychology Department in the College of Liberal Arts and Sciences. program is intended to prepare students to qualify for school psycho internships and as certifiable school psychologists.

Admission to the guidance program is through the Guidance and cational Psychology Department. Admission to the school psycho program is through either the Psychology Department or the Guid and Educational Psychology Department. A master's degree o equivalent is required for admission to each program.

Doctor of Philosophy

Guidance and Educational Psychology participates in the doctoral gram in education in the functional area of educational psycho Students interested in counseling, educational measurement and stati and human learning may pursue an equivalent of a major concentr within the area program. For additional information on the Ph. education, see the preceding section entitled Education. Inquiries s be addressed to the coordinator for the area of educational psych in the College of Education.

Health Education

Master of Science in Education

Master of Science in Education degree programs are offered in education. The candidate may select from three areas: school education, community health education, and safety education. A co core of 20 quarter hours in health education is required of all m degree candidates.

SCHOOL HEALTH AND SAFETY EDUCATION

In school health and safety education, two programs may be foll (1) a minimum of 24 hours in health education, a minimum of 16 in a minor field, and 8 hours, with departmental approval, from

aduate courses in the University; or (2) a maximum of 40 hours in alth education and 8 hours from offerings in the field of education hav- g departmental approval.

COMMUNITY HEALTH EDUCATION

e program in community health education extends over four quarters study with 60 quarter hours required for the degree. In addition to the mmon core of 20 hours in health education required of all master's ndidates, the community health education concentration requires Health lucation 488, 489, and 500; a minimum of 4 quarter hours in foods and trition; 4 quarter hours in communications or group work methods; a l quarter as a field intern (Health Education 590); and, electives to quarter hours.

Doctor of Philosophy Degree

e Doctor of Philosophy degree in education with concentration in lth education is provided through the functional areas of (1) cur- ulum and instruction and (2) educational administration and social l philosophical foundations. Students wishing to pursue the advanced gree will receive individual guidance from the graduate adviser in lth education appointed through the appropriate functional area.

Higher Education

e Department of Higher Education offers programs leading to the ster of Science in Education degree and courses contributing to the ctor of Philosophy degree in education.

pecialties within the Doctor of Philosophy degree program include: demic administration, college student personnel administration, busi- s affairs administration, and institutional and coordinating agency lies. For further details, including information on the work and finan- assistance available through administrative internships for doctoral lents, write the department chairman.

ighly qualified students enrolled in any program in the department eligible for fellowships granted through the Graduate School. For her details write the chairman, Department of Higher Education.

laster of Science in Education degree programs in higher education ude concentrations in college and university administration, college university business administration, community college and post sec- ary school, technical institute teaching, and college student personnel k.

ll masters degree programs require 48 quarter hours of study with the ption of the college student personnel program which requires 72 ter hours extending over two academic years. Two programs, com- ity college and technical institute teaching, and college student onnel work, require that the student serve an on-the-job-internship. he case of the community college and technical institute teaching ram this internship is served in the junior college district of St. s, St. Louis county, Missouri, as part of a cooperative program. It so expected that students in this program will also serve as teaching tants in a cooperating department of the University while in resi- e. Students in the student personnel program serve as half-time paid ns in the division of student personnel for each of two academic years.

History

The Master's Degree

History may be chosen as a major or minor for the Master of Arts degr and as the subject-matter major for the Master of Science in Educati degree. Four major areas of historical study are offered: American, Lat American, European, and Asian. Candidates for the M.A. degree mu consult with the graduate adviser in the Department of History befo registering for courses. Candidates for the M.S. in Education degr must consult with the appropriate adviser in the Department of Seconda Education before registering for courses.

For the Master of Arts degree in history, 48 quarter hours of sat factory graduate work are required; at least 24 of these 48 hours must on the 500 level. Within this general requirement, at least 32 quar hours must be in appropriate history courses, with at least 16 of the hours on the 500 level. The remainder of the hours may be taken courses on the 400 level. The Department of History strongly recommer that each candidate be enrolled in at least one 500-level course ea quarter during his first three quarters in the program. A candidate the Master of Arts degree must pass a reading examination in a mod foreign language. He may elect to fulfill the research requirement throu either the thesis or the non-thesis program.

A candidate in the thesis program should, with the approval of the cha man, select a thesis adviser and a thesis topic by the end of his sec full-time quarter in the program. As many as nine quarter hours may in thesis research. The candidate must submit an acceptable thesis, pass a comprehensive oral examination covering his fields of specializat and his thesis.

A candidate in the non-thesis program must receive an *A* or *B* in separate research seminars, and copies of his research paper from of these seminars must be filed with the department and the Gradu School. Each candidate is required to pass a comprehensive written amination in two fields of history selected from the ten fields availa for master's candidates under the four major areas.

The Doctor of Philosophy Degree

Candidates in history for the Doctor of Philosophy degree must comp at least two years of full-time graduate work beyond the bachelor's de or one year beyond the master's degree (or its equivalent), and subm satisfactory dissertation. The courses and hours of credit necessary f doctoral student to prepare for preliminary examinations will be termined by the student's advisory committee. The goal is to develop competence in the five selected fields in which he will be exami

The department requires all candidates to pass a reading examina in two foreign languages. With the approval of the department, stati or computer programming may be substituted for one language. The guage requirement must be satisfied prior to the preliminary examinat

The department offers advanced study in fifteen fields of history w are grouped in four major divisions.

Division I—American History
Colonial
United States, 1776–1865

United States, 1865–1919
United States, 1919 to present
Mississippi Valley and Illinois
Division II—Latin American History
Colonial
Middle America
South America
Division III—European History
Ancient
Medieval
England since 1600
Europe, 1450–1815
Europe, 1789 to present
Division IV—Asian History
East Asia
South Asia and Southeast Asia

For his preliminary examinations, the student will present five fields; ther all five in history or four in history and one in a minor. Not more an three of these fields may fall within any one of the above divisions. he preliminary examinations will consist of a three-hour written examina- n in each of his five fields and a two-hour oral examination covering l fields.

After completing his course work, fulfilling the foreign language require- nts, and passing the preliminary examinations, the student will be ad- tted to Ph.D. candidacy and devote his time to the dissertation. Dis- tation subjects must be chosen from either American history or Latin nerican history. Subjects in American history may fall within any field ted in division I above. Subjects in Latin American history should ne from the following areas: regions of special concern to the United ates (e.g. the Caribbean), rapidly developing regions (e.g. Mexico), d underdeveloped areas (e.g. the Andean states), with major attention ling within the nineteenth and twentieth centuries. The final oral ex- ination will cover the field of the dissertation and related matters.

Assistantships and Fellowships

Fellowships and teaching assistantships are available to qualified grad- e students. All carry stipends, and remission of tuition. Applications these awards should be submitted by February 1.

Additional information concerning the graduate program in history may obtained by writing to the chairman, Department of History.

Home Economics

e Master of Science and Master of Science in Education degrees with ajor in home economics are available with specializations in:
. Clothing and Textiles (including interior design)
. Food and Nutrition
. Home and Family
. Home Economics Education

rk toward the Doctor of Philosophy degree is available in home nomics with specialization in home economics education. The Letitia lsh award-loan of $5,000 is available for Doctor of Philosophy candi- es in home economics.

Prerequisites for Admission to Graduate Study

1. Admission to the Graduate School.
2. Completion of a curriculum in home economics or in a field relat to the area of specialization, such as biological, physical, and soc sciences, art, business, and/or communications. When necessary, c ficiencies may be made up concurrently.
3. Satisfactory scores on the Graduate Record Examination.
4. An undergraduate grade point average equivalent to 3.70 or abo Conditional admission may be granted where the grade point average above 3.40 but below 3.70.
5. A scholastic record that indicates ability to pursue advanced stu in the chosen major field.
6. Demonstrated ability to write effectively as indicated by scores English composition. In the case of foreign students an official statem showing sufficient proficiency in English is required.
7. The student attains full graduate standing in home economics wh he has met the above requirements and has made satisfactory scores on Ohio State Psychological Examination.

Requirements for the Master of Science in Home Economics

In addition to the general requirements of the Graduate School, requ ments for the master's degree in home economics are:

1. Thirty to thirty-two quarter hours in the field of specialization p 16–18 quarter hours in approved related fields with a minimum tota 48 quarter hours, 24 of which must be in courses at the 500 level.
2. The required courses for all master's degrees in home econon are: Home Economics Education 415–1 or equivalent for transfer gradu students, Guidance 505 or equivalent, and Home Economics Edu tion 500–4 or equivalent. A thesis or research paper is required.

Additional requirements may be specified for each major. It is pected that the individual program will be planned by the student the adviser to supplement the student's previous training and experie with due consideration given to the student's objectives.

Requirements for the Master of Science in Education

Thirty-two hours in the field of home economics are required for a jor, with a 16-hour minor in education. The student's graduate comm may require a program including additional credit. Required courses Guidance 505 or equivalent, Home Economics Education 415, 500, 506, 599 (Thesis). As an alternative to writing a thesis, specific course the graduate level as recommended by the student's advisory comm and approved by the dean of the Graduate School may be taken; student who does not write a thesis must submit to the Graduate Sc for its permanent records, a copy of a research paper as evidence o knowledge of formal research techniques.

Prerequisites for Admission to Advanced Graduate Study

1. Prerequisites 1, 2, 3, 5, and 6 as listed above under Admission
2. Recommendations from three or four former teachers or supervisors whose names the student has submitted.
3. Admission is granted to a student whose grade point average is or above and whose scholastic record in the chosen major field indi ability to pursue advanced study.

Requirements for the Doctor of Philosophy

n addition to the general requirements of the Graduate School, require-ents for the Doctor of Philosophy degree in Home Economics with spe-alization in home economics education are:

1. A minimum of 144 quarter hours, including the dissertation, beyond e Bachelor of Science degree is required; this may include all or part the 48 hours earned while working for the master's degree. A minimum 48 hours is required from related fields outside of home economics.
2. Qualifying interview—the student shall request a meeting of the mporary advisory committee during the first or second quarter in resi-ence, depending on whether he is carrying a full-time or a part-time ogram.
3. Competence in at least one foreign language and in statistics. The ndidate is expected to satisfy these requirements before taking the amination preliminary to starting dissertation research.
4. The preliminary (comprehensive) examinations—a candidate for e Doctor of Philosophy degree shall make application for the oral and ritten examinations after he has completed the above requirements and proximately two-thirds of the advanced course work.
5. Admission to candidacy—after successfully passing the preliminary aminations and receiving provisional approval of the tentative plans for e dissertation, the student will be admitted to candidacy for the Doctor Philosophy degree. This should be done before the third quarter pre-ding the anticipated date of graduation, and no student will be ap-oved to graduate unless six months have elapsed between admission to ndidacy and graduation.
6. Satisfactory completion of a final examination at which the student ll defend the dissertation.

The time between the comprehensive and final examination for any udent cannot exceed five years.

Instructional Materials

he Department of Instructional Materials offers courses of study leading the Masters of Science in Education degree. Concentration of study ay be in any of the three areas: instructional materials, audiovisual, or brary service. The concentration of instructional materials is recom-ended for most students, for it gives a broader base of study and the blic schools are moving toward instructional materials centers rather an toward the separate areas of audiovisual and library service.

The graduate major concentration in instructional materials, toward Master of Science in Education degree, involves professional training in th audio-visual education and school library service. It meets the state d national certification standards for full-time school librarians and the ndards recommended by the Department of Audio-Visual Instruction the National Education Association. In Illinois every school librarian also required to have a teaching certificate.

Fifty-two hours are required for the major. No minor is required. At st 26 hours must be in courses numbered 500 or above. The following urses are required: 413, 417, 510, and 514.

The minor in school library service is offered for students taking a jor in another area. This, consisting of a minimum of 16 hours, is in-ded primarily for teachers who wish to obtain an appreciation of litera-

ture for children and adolescents. It is not intended for the preparatio of professional school librarians. The following courses are required: 40 406, 514, and at least 4 hours from 420, 510, 530, or 576.

The Doctor of Philosophy degree in education with a concentration i learning resources may be taken either in the functional area of educa tional psychology or curriculum and instruction. The procedures an qualifications are those established by the functional areas and informa tion can be obtained by writing to the coordinator of the education psychology or curriculum and instruction functional area, College Education.

The doctoral program in learning resources is designed for those ind viduals who wish to become directors of instructional materials in a lar school system, a college, a university, or industry where the scope of t program will require, under the director, separate specialists in the audi visual and library fields. The graduate of this program would be able plan long range activities for his unit, work with curriculum committee with administrators, and with specialists such as psychologists, resear directors, and directors of reading centers.

For further information concerning major and minor programs, wo experiences, job opportunities, or other related matters, consult the cha man, Department of Instructional Materials.

Inter-American Studies

Course work in the inter-American studies field is offered by the D partments of Anthropology, Economics, Foreign Languages, Geograph Government, and History.

Prerequisites for the Master of Arts degree include a command of t Spanish language adequate to meet the student's needs for research a communication within the area of his program. The director of the Lat American Institute and the supervisory committee will determine t student's linguistic competence on registration and, where necessa specify what the student must do to improve his proficiency in Spani Whenever the student's program involves the need for Portuguese French, he will also need to demonstrate or attain satisfactory proficien in that language. In addition, a satisfactory basic preparation in int American studies is required.

Requirements for the Master of Arts Degree

1. The completion of at least 30 hours of courses acceptable for gra uate credit in one of the above listed departments.

2. The completion of a minimum of 18 hours of related studies proved by the student's supervisory committee which will meet the quirement for a minor in the Latin American Institute. A maximum three areas is permitted in the field.

3. The completion of a satisfactory thesis on a Latin American to in the major for which 5 to 9 hours of credit are given.

A minor in inter-American studies for those students with a major i department outside of the institute will consist of a minimum of 18 ho to be taken in two of the participating departments. Specific course p grams will be worked out by the director of the institute in consultat with the chairmen of the departments involved.

In every case the student's final program must be approved by

raduate supervisory committee, acting under policies established by the atin American Institute and the Graduate School.

Journalism

ourse programs in journalism leading to the Master of Arts, Master of cience, and Doctor of Philosophy degrees are offered by the Department f Journalism. Each graduate student's total program will be designed pecifically for that student by the student in consultation with his aca- emic adviser. Although the mere accumulation of credit hours should ot be the objective of any student, minimum course requirements are set rth for both the master's and Ph.D. degrees.

Master's Degree

andidates for the master's degree must complete a minimum of 48 uarter hours of graduate work, including the thesis. Approximately half f the course hours must be earned in journalism and half in non-journal- m disciplines. Each student will be challenged to demonstrate a capacity r investigation and independent thought in his thesis.

Doctor of Philosophy Degree

linimum course requirements for the Ph.D. degree will include 96 uarter hours beyond the bachelor's degree. Students generally will in- ude a minimum of 36 quarter hours in journalism, 24 quarter hours in ch of two non-journalism areas of study, and 12 quarter hours of elec- ves. The student will complete at least 48 quarter hours of course work yond the master's degree. These course requirements do not include edits earned in dissertation, Journalism 600.

Each student will propose to his academic adviser before registering r his third quarter a listing of courses to be included in his study pro- am with a statement of justification for these courses. Revisions may made in his course of study only with the written approval of his aca- mic adviser. In preparing a course proposal, the student is encouraged deviate from the 36–24–24–12 hour course requirements outlined herein hen to do so enables him to devise a rigorous program which best meets s academic and professional needs.

The Ph.D. student, in consultation with his academic adviser, will ect two from among these five research tool combinations:

Journalism 432, 433a
Journalism 590, History 451, Government 499
Guidance 505, 506, 507 or Mathematics 410a,b,c
Computer Programming
Modern foreign languages (one or two from among those approved by the Graduate School)

A student may propose other research tools for the consideration of his ademic adviser who, in consultation with the department's graduate culty executive committee, may approve, modify, or reject the proposal. urses taken to satisfy research tool requirements may not be counted r Ph.D. degree course credits.

Doctoral students who enroll, either for course credit or for research ol requirement, in one of two major research areas within the depart- nt (behavioral and historical) will be encouraged to take at least the sic course in the other research area.

In addition, each student will be required to undergo written and or preliminary examinations in both his journalism and non-journalism are of study; prepare a dissertation based on original, scholarly research; star oral examination over the dissertation; and fulfill all Graduate Scho requirements.

Mathematics and Mathematical Sciences

Graduate work in mathematics is offered leading to the Master of Ar Master of Science, and Doctor of Philosophy degrees. Major or min work for the Master of Science in Education degree and minor work f graduate degrees in other fields are also offered. In addition to the gener rules, regulations, and requirements of the Graduate School, the followi specific requirements pertain to the various degrees available with a maj in mathematics. The department should be consulted for complete detai

Master of Arts Degree

1. Course work must include: Mathematics 501a,b; 520a,b; 530a,b; a 555a,b. Graduate credit must total at least 48 hours.
2. Successful completion of the ETS Graduate Foreign Language E amination in French, German, or Russian.
3. A thesis carrying 5 to 9 hours credit in Mathematics 599.
4. Satisfactory performance on a written examination (usually giv in the spring quarter) in three of the following areas, including (1) a (2) in any case: (1) Real Analysis (452a,b,c; 501a,b,c); (2) Algeb (421a,b; 520a,b,c); (3) Topology (530a,b); (4) Probability and Statist (480a,b,c or 483a,b,c); (5) Complex Variables (555a,b,c).
5. Satisfactory performance in an oral examination over the thesis a such other material as the examining committee may deem appropria

Master of Science Degree

1. Course work must include the following: Math 419a,b; 421a,b; 433a 452a,b,c; one sequence from Math 426a,b; 475a,b; 480a,b; 483a,b; at le three 500-level sequences, one of which includes the c course. Gradu credit in mathematics must total at least 48 hours.
2. Demonstrated reading competence in mathematics in one of t following languages: French, German, or Russian; by an examination for the Master of Arts as described above or by an examination a ministered by the Department of Mathematics.
3. A research paper carrying 3 hours credit in Mathematics 595 or successful completion of a three-quarter graduate seminar, carrying total of 4 hours credit.
4. Satisfactory performance on a written examination in 419a,b; 421a 433a,b; 452a,b,c; and in one 500 level a,b,c sequence.
5. Satisfactory performance in an oral examination over the resea paper and such other material as the examining committee may de appropriate.

Master of Science in Education Degree

This degree is given in cooperation with the Department of Second Education, with the Department of Mathematics administering the ma in subject matter.

1. A minimum of 32 hours of mathematics is required, including Ma

atics 547 and 592. Courses must be taken that will provide competence algebra, analysis, geometry, and probability. Specific courses are chosen fit the background and needs of individual students.

2. A research paper in mathematics education is required and may be itten in connection with course 592.

3. A comprehensive written examination over mathematics and educa-n must be passed satisfactorily.

Doctor of Philosophy Degree

1. A master's degree in mathematics indicating performance acceptable the department at the level of graduate work described under 4 for e Master of Arts degree or satisfactory performance on a qualifying amination comparable to that degree.

2. Demonstrated reading competence in mathematics in two of the nguages: French, German, or Russian. This will ordinarily be done as der item 2 for the Master of Arts degree.

3. At least 48 hours of course work beyond that required for the master's gree; at least 24 hours of the 48 must be at the 500 level. At least 18 urs of the 48 must be in one of the fields listed below, and 9 hours of e 48 must be in each of two other fields.

Algebra, Analysis, Applied Mathematics, Differential Equations, Ge-ometry, Logic, Number Theory, Probability and Statistics, Topology.

4. Satisfactory performance on a preliminary examination (generally nsisting of both written and oral parts). The material of the examina-n will be determined by the student's advisory committee.

5. A dissertation (representing at least 36 hours of credit in Mathe-tics 600) demonstrating the candidate's capacity for original and in-dependent research in an area of concentration chosen from the nine ted in item 3 above. The candidate will also be examined orally on his sertation.

Microbiology

aduate courses in microbiology may be taken as a major or minor ding to the Master of Arts and Master of Science degrees, or as a rt of a biological sciences program leading to the Master of Arts, ster of Science, and Master of Science in Education degrees.

The Doctor of Philosophy degree in microbiology will be awarded to a ndidate in recognition of achievement in independent research and in anced studies. His original contribution to knowledge, evidenced in the dissertation, together with a superior comprehensive scholarship ord and satisfactory completion of prescribed examinations are the eria for the degree. Emphasis will be placed on his critical evaluation and familiarity with, the existent developments in microbiology and ated areas of study.

The Department of Microbiology and the Biological Research Laboratory offer facilities for research in microbial genetics, cytology, radiation biology, physiology and biochemistry of microorganisms, medical microbiology, immunology, and virology. In addition to the library facilities, reprint collections covering many topics in microbiology are available for student use.

To be eligible for the Doctor of Philosophy degree, the student must satisfy the following requirements: (1) He must complete at least 144

hours of graduate work and research. Credit for research may not exc 60 of the 144 hours; (2) He must demonstrate his proficiency in statist and his ability to read, with reasonable facility, scientific literature two modern languages; (3) He must pass the qualifying examination a a final oral examination; and (4) He must submit an approved disser tion based on his research.

A minor may be elected as part of a doctoral program in microbiolo subject to approval of the department, from courses in any progr which constitute a major for the master's degree. A minor in microbiol for the doctorate in another biological science consists of general mic biology and 20 hours selected from courses offered and approved by department.

Molecular Science

Graduate work in molecular science may be taken as a major or mi leading to the Doctor of Philosophy degree. This program, an in disciplinary program with a core in theoretical and applied phys presently includes research in the areas of atomic-molecular phys biophysics, crystallography, geochemistry, materials science, mathemat physics, molecular genetics, nuclear physics, and solid-state physics affords the student a unique opportunity to work with the research ulty and facilities in related areas throughout the University and specialize, if he chooses, in problems embracing several academic di plines. A molecular science committee appointed by the dean of Graduate School from eligible graduate faculty members of the vari interdisciplinary areas is a continuing body for overseeing and evalua the program. The chairman of the Department of Physics adminis the program, subject to the policies set forth by the molecular scie committee, the Graduate Council, and the dean of the Graduate Sch

In addition to the general rules, regulations, and requirements of Graduate School, the following specific requirements pertain to the Do of Philosophy degree in molecular science:

Admission to the Program

1. A master's degree or equivalent from any area of the physical life sciences, engineering, or mathematics is required for admission to program.

2. Competence in French, German, or Russian, as demonstrated passing the ETS Graduate Foreign Language examination is required admission to the program. Another language, highly pertinent to a ticular research area, may be substituted if a formal petition is appr by the molecular science committee. Passing scores on the ETS exams determined by the Graduate School.

Admission to Candidacy

1. Passage of a preliminary examination, both written and oral the four core areas of theoretical and applied mechanics, theoretical applied electrodynamics, quantum theory, and statistical physics, an one speciality area selected by the student.

2. Demonstrated competence in a second research tool. This ma accomplished through an ETS examination in a foreign language, o satisfactory completion of the certification procedures for statistic computer programming as administered by the Graduate School.

Dissertation

1. A dissertation and its defense with distinction before a committee. The Administrator of the molecular science program should be consulted for complete details.

Music

ne master's degree in music consists normally of a total of 48 hours of ork in an area of specialty outlined below. Further work may be required in certain cases. Candidates for the Master of Music, Master of usic Education degree, or the Doctor of Philosophy degree in education o wish to choose applied music courses as electives will take the 400-ries course in their major instrument or voice. Applied music majors the Master of Music curriculum will take the 500-series course in their ajor instrument or voice for 4 hours per quarter. These are artist-level urses, and admission to them and to the degree program must be obned from the chairman of the department after passing a jury examinan.

Proficiency examinations will be given to all entering students and nprehensive examinations will be administered during the terminal arter. Please consult the *Handbook for Graduate Study in Music* for re detailed information.

Master of Music Degree

quirements include 18 hours in the major area for history-literature d theory-composition, and 12 hours for applied major concentration; usic 501–3, 502–6, 599–3 to 9 (thesis), and electives in music to make a tal of 48 hours.

Thesis credit for the applied major may be met by presenting a full ital for 6 hours credit and a research document for 3 hours credit.

Master of Music Education Degree

A minimum of 12 hours must be in music education courses. A maximum o 8 hours may be elected in fields outside music after consultation with th adviser. Other requirements include Music 501–3, 503–3, and 599–9 (esis, or 9 hours of course work as approved by the director of graduate studies), and electives in music to make a total of 48 not less than hurs, of which 9 hours must be in the areas of graduate theory and/or msic literature. At least two quarters of ensemble experience are reqred and can be counted as part of the major.

Doctor of Philosophy Degree

This doctoral program, in education, consists basically of 96 hours, incding 30 in general education, 30 in music education and general msic courses, and 36 in dissertation. Specific courses depend upon individual needs and will be determined through consultation with the stdent's program committee. The dissertation may be in the field of msic education but should demonstrate general educational research tenniques. To be admitted to this program, a candidate must have eaned a 4.50 grade point average at the master's level in music and mst score 50 per cent or above on the Miller Analogy test. Application fo admittance to this program may be made through either the College of Education or the Department of Music.

For specific repertoire requirements in each course see the Appli Music Appendix of the Department of Music.

Philosophy

The Department of Philosophy offers graduate work leading to the M ter of Arts and Doctor of Philosophy degrees. Graduate courses philosophy may be used also as a minor in programs leading to Master of Arts or Master of Science in Education degrees. Stude who do not plan to continue work in philosophy beyond the maste level are encouraged to elect a graduate minor or to combine philosop with another subject in a 60-hour double major.

The department expects an applicant for admission to its graduate p gram to have had at least 24 hours' work in philosophy or closely rela theoretical subjects, including at least one quarter in ethics, one in lo and a year in the history of philosophy. The department may wa a portion of this credit requirement in favor of maturity and of qua and breadth of academic experience. The applicant will be required make up serious background deficiencies by taking appropriate unc graduate philosophy courses without credit.

The Department of Philosophy requires the candidate for a mast degree to present a thesis, for which 9 hours of credit are allowed. must pass two examinations: a written examination covering the nat and proffered solutions to the persistent problems of philosophy as d with by major philosophers from Thales to the present and an oral amination devoted chiefly to the thesis. In the written examination phasis will be placed on such classical figures as Plato, Aristotle, I cartes, Spinoza, and Kant, but the student will be expected to ans questions involving at least two recent philosophers, one of whom be an American.

A reading knowledge of one foreign language, usually French or G man must be demonstrated by passing the Doctor of Philosophy ficiency examination in that language.

Applicants for the Doctor of Philosophy degree in philosophy sh submit with their application forms scores for the Graduate Re Examination. The department may, where other evidence of compet seems so to warrant, accept a candidate upon the condition that he l submit acceptable scores.

At the time of his acceptance in the program the student will be signed an advisory committee who will help him plan a progran study designed to prepare him for admission to candidacy. After student has accumulated at least 36 hours of credit beyond the mas degree, and before he begins work on the dissertation, he must tal written preliminary examination on the thought of one major figur the history of philosophy and in the following four areas: histor philosophy; logic, methodology, and philosophy of science; metaph and theory of knowledge; and value studies.

Before he is allowed to take the preliminary examination the stu must have demonstrated reading proficiency in two foreign languag

After he has passed his language examinations and the prelimi examination and has completed 48 hours of work beyond the mas degree, the student is admitted to candidacy and assigned a doc dissertation committee which will supervise the research and wr

ading to the dissertation. After the dissertation has been accepted by e committee, the student is given an oral examination on the dissertaon and related topics.

The department has available each year a number of assistantships r qualified graduate students. Applications for these assistantships ould be sent to the department before February 15 of the academic ar preceding that for which the application is made. An effort is made give every candidate for the doctor's degree supervised experience in aching elementary work in the field of philosophy.

Physical Education

aduate courses in physical education may be taken as a major or minor ward the Master of Science in Education degree or the Doctor of ilosophy degree in education.

Master's Degree

e departmental requirements for unconditional admission as a master's gree candidate are:

1. Fulfillment of the requirements for admission to the Graduate hool.
2. Presentation of at least an undergraduate minor (preferably a maj) in physical education.
3. Presentation of at least one undergraduate course in anatomy, ysiology, or kinesiology and at least one in educational psychology or chology of the particular field of the student's specialty.
4. Possession of the ability to teach and demonstrate an acceptable iety of skills and techniques in physical education activity.

A student may be conditionally admitted to the program and may be mitted to do graduate course work while he removes deficiencies.

Requests for transfer of credits from other institutions will be conered only before admittance into this program.

Minor

dents with a major in a related area may take a minor in physical ucation. This consists of 16 hours chosen from one of the areas of centration in consultation with a physical education adviser.

Core Courses

e Department of Physical Education offers programs in several areas. re courses common to all specialties are P.E. 500, 503, and either 504 599. The courses are designed to provide common experiences to all dents regardless of their specialization.

Area of Specializations

. The Experimental Physical Education Program

s program is intended to prepare students to enter advanced study to perform scholarly research which emphasizes depth in a selected nce. A student, in conference with his adviser, designs a program ch satisfies his special interest.

. The Professional Physical Education Program

s program is designed to develop a high level of competency in teachphysical education in colleges, secondary, and elementary schools.

The student, in conference with his adviser, designs a program wh satisfies his special interest.

3. The Applied Physical Education Program

The purpose of this program is to prepare coaches of athletic teams (1) increase their knowledge of fundamental principles which are ba to the coaching and administration of athletics and (2) to develo broad perspective of the role of athletics in the total educatio environment.

Doctor of Philosophy Degree

One may pursue a program of study leading to a Doctor of Philoso degree in education through the functional area of curriculum and struction.

The department qualifications for admission to advanced gradu study are:

1. Fulfillment of the requirements of the Graduate School and College of Education.

2. Presentation of professional course work equivalent to the Uni sity's undergraduate and master's programs in physical education.

A student may be permitted to start advanced graduate work w making up deficiencies.

Three years of full-time graduate study after obtaining a bachel degree or two years of full-time graduate study after a master's de (or its equivalent) constitute the minimum requirement for the doctor The student and his adviser will determine a pattern of course wor equip the student in physical education and its allied fields, foundat of education, cultural courses outside the area of education, and independent research.

The program of studies beyond the master's degree must contai majority of course work at the 500 level or above, as well as a requ departmental core of 12 hours. Included in his study are all gen requirements of the functional area.

Competence in research tools as required by the Graduate School n be demonstrated.

The procedure for beginning a program of study leading to a Do of Philosophy degree is as follows:

1. Submit an application for admission, with transcript or transcr to the Graduate School.

2. Apply for admission to the Department of Physical Educatio well as to the appropriate functional area.

3. If admitted, the coordinator of the functional area will arrange proper counseling and programming in the field of specialization.

Physics

Graduate work in physics may be taken leading to the Master of the Master of Science, and the Doctor of Philosophy degrees. Grad courses in physics may also be taken as part of a physical sciences gram toward the Master of Science in Education degree.

In addition to the general requirements of the Graduate School, are other specific requirements for the master's degree in physic follows:

1. A reading knowledge of French, German, or Russian
2. 511 (or mathematics equivalent), 510a,b, and 530
3. A thesis based on research of 9 additional hours of course work in ysics at the 500 level and a research paper, in lieu of the thesis.

The doctoral program is within a University-wide framework of molec- ar science with a core in theoretical and applied physics. See molecular ence description for specific details. The physics program is a flexible e, designed to give the student a background in depth in the general nciples and techniques of modern physical theory and at the same ne to satisfy his individual interests and needs. Properly qualified grad- te students from the areas of the physical sciences, life sciences, gineering and mathematics are invited to apply for advanced study ere the student's interests may be interdisciplinary with physics; ., biophysics, chemical physics, geophysics, materials science, and thematical physics. One research emphasis in the department is in the neral field of molecular physics; dissertation topics in this field include dies of motional, structural, electrical and magnetic properties en- ntered in liquid, surface and large molecule physics. Theoretical re- rch in such areas as electromagnetic theory, thermodynamics, statistical l quantum mechanics is being tempered to a considerable degree by directions taken in the experimental aspects of the molcular science gram.

Physiology

aduate courses in physiology may be taken leading to the Master of s, Master of Science, and Doctor of Philosophy degrees. Graduate rses in physiology also may contribute to a major in biological sciences ard the Master of Science degree, and to one in biological sciences ducation toward the Master of Science in Education degree.

he Graduate Record Examination must be taken before admission to graduate program for doctoral students, and it is prerequisite to grad- ion for master's students.

he graduate prerequisites at the master's level include the equivalent n undergraduate major in biological sciences plus inorganic, analytic, organic chemistry and a minimum of one full year each of physics mathematics. Qualified students are also encouraged if they have training in chemistry, physics, mathematics, psychology, or engineer-

or a master's degree in physiology, a student must ordinarily work years, demonstrate competence in one foreign language, and present acceptable thesis based upon original investigation. Equivalent work pleted elsewhere can be accepted in part. The language is waived he M.S. degree, and the thesis is waived for the M.S. in Education.

ourses should be elected from other departments such that a major bout 32 hours and a minor of about 16 hours are attained. Because e importance of biochemical and biophysical knowledge to physiology, ents are urged to select their minors in those areas. Other biological nces may also be acceptable, after consultation with the chairman of department.

raining is provided in cellular, comparative, and mammalian phys- y. Training is also available in human anatomy, electron microscopy, biophysics. Entering students are urged first to obtain a basic knowl-

edge of the whole field and then to specialize after being advised by t chairman of the department or departmental graduate adviser.

Students entering the doctoral program should ordinarily have least the same prerequisites as those entering a master's program, exce that courses in calculus and physical chemistry are highly recommende Students with prior major concentrations in chemistry, physics, or e gineering, but little training in biological sciences, are equally eligib for admission to the program.

A competence in two of the prevailing research tools plus a writt qualifying examination are necessary for admission to doctoral candida The program is formulated upon entrance in consultation with the partment chairman or his designated adviser. The dissertation advi and advisory committee guide the student and periodically evaluate program thereafter.

The total program must be provisionally formulated upon entrance, a evaluated periodically thereafter, in consultation with the chairman the department or the major adviser.

Three years of full-time graduate study after obtaining the bachelo degree, or two years after the master's degree (or its equivalent) usua constitute the minimum requirements for the doctorate. A dissertatio required and also a final oral examination.

Plant Industries

The Master of Science degree can be earned in the Department of Pl Industries in the general fields of soils, field crops, and horticulture. Gr uate courses in plant industries may also be taken for a Master of Scie degree minor.

It is customary to require supporting courses in botany, microbiolo chemistry, statistics, and other areas essential to a problem in the dent's chosen field and to prepare him for acceptance for the Docto Philosophy degree if he has that potential. Once the general field been selected, the research and thesis may be completed in any on the many divisions of that field. In horticulture, for example, the search and thesis may be in vegetables, tree-fruits, small-fruits, ornamen plants, or turf management; in soils, the problem may relate to fertil soil physics, soil microbiology, soil chemistry, or soil and water c servation; in field crops, the problem may be directed toward crop duction and management, weeds and pest control, or plant breeding genetics. Often two of these more restricted divisions can be combi for study on one problem.

Important research facilities are available in the department through three cooperative experimental farms. Within the Departm of Plant Industries there are adequate greenhouse facilities adjacen the agriculture building for experimental work. In addition, approxima eighty-three miles north of Carbondale the department operates Southwestern Farms as an agronomy research center. The coopera units include, the Illinois Horticulture Experiment Station, and Agronomy Research Center which are operated cooperatively with University of Illinois; and the Small Fruits Research Station whic operated cooperatively with the United States Department of Agricul Agriculture Research Service, Crops Research Division.

The purpose of the Horticulture Experiment Station is to provid cilities for research and demonstration with fruit, vegetable, and c

ental crops. Specific projects undertaken include the testing, breeding, nd developing of fruit, vegetable, and ornamental varieties adapted to outhern Illinois; studying fundamental problems related to cultural ethods and to rootstock-variety combinations; and providing demonrational areas for students and growers.

The purpose of the Agronomy Research Center is to provide facilities r soils and crops research and demonstrations. Projects are conducted a cooperative basis by personnel of the University of Illinois and outhern Illinois University, or independently by personnel of either stitution. Studies are conducted to develop acceptable varieties of ld and forage crops, emphasizing their adaptability to southern Illinois; d to seek answers to fundamental problems in the management of soils d the culture of crops. Demonstrations are developed for observation r students and other interested persons.

The purpose of the Small Fruits Research Station is to provide faities for research investigations on breeding, production, and disease ntrol of strawberries, blueberries, brambles, and other small fruits.

The purpose of the Southwestern Farms Experiment Station is similar that of the Agronomy Research Center with respect to soils and monstration but includes forestry research and demonstration as well.

Because of the diversity of areas of interest in the Department of ant Industries, no general curriculum is applicable for all graduate udents. Each graduate student's background is studied carefully by a mmittee chosen for his specific area of interest, and his approval for mission to study in the department is made upon the condition that aknesses in his background be satisfied. When the student is on cams he is invited to attend the committee's discussion so that he understands fully why every requirement is made.

The Department of Plant Industries requires for approval to do graduate work that a student have not less than a 3.50 grade point average in the last 50% of his work, which must include 20 hours in his major undergraduate field. The undergraduate major may be in any area, but the undergraduate area has much to do with the preparatory courses required by his advisory committee.

An oral examination and the submission of a thesis are required. A nthesis option may be elected with the permission of the student's committee.

For additional information concerning programs and assistantships write to the chairman, Department of Plant Industries, Southern Illinois University, Carbondale, Illinois 62901.

Psychology

The Department of Psychology offers graduate work leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees in the following areas: general-experimental psychology, counseling and clinical, and industrial psychology. The primary emphasis is on doctoral training, for which the master's degree is a prerequisite. The minimum number of graduate hours required for the Doctor of Philosophy degree is 44. At least 24 of these are dissertation hours. The master's program requires two years of full-time residence and a thesis.

In addition to academic requirements, doctoral students in the clinical and counseling areas must complete the equivalent of a full-time academic year of internship in an agency approved by the department.

Separate application forms for both the Department of Psychology an the Graduate School must be submitted. Students will be accepted fo graduate work in psychology only upon approval by the departmenta admissions committee as well at the Graduate School office. Depar mental application forms may be obtained from the chairman, Depar ment of Psychology. Graduate School application forms may be obtaine from the Graduate School.

It is apparent that psychologists are faced with demands to deal wit an ever-increasing range of problems, basic as well as applied. As consequence, the goal of graduate study at Southern Illinois Universit is to develop psychologists who will have a broad perspective and scientif sophistication, as well as the requisite skills to advance the field psychology and meet changing needs. To accomplish this aim, a progra composed of four integral parts has been developed: the core curriculur specialization, research and practicum opportunities, and training assig ments. The steps toward the Ph.D. in chronological order are: 1) Co curriculum; 2) Master's degree; 3) Graduate research tools requiremen (any two of the following: foreign languages, statistics, computer la guage); 4) Preliminary examination consisting of one major and tv minors; 5) Dissertation.

Core Curriculum

The core curriculum is designed to give systematic work in both t theoretical and substantive material of general psychology, and yet allow for flexibility in individual program planning. During the first ye all students are required to take a three course sequence in quantitati methods and research design. In addition, by the end of the second ye through a series of elective options six additional courses in areas oth than the major are required to provide breadth as well as some degree depth in the total field of psychology.

Areas of Specialization

GENERAL-EXPERIMENTAL PSYCHOLOGY

The general-experimental program is planned for the student w wishes to have a broad academic course of advanced study in psycholo together with intensive specialization in one area of experimental p chology. It is primarily intended for students working towards care in teaching and research. While considerable flexibility is permitted so t the student may select courses from several areas, he is expected to c centrate in at least one area of general-experimental psychology: learni sensory processes, Social, developmental, physiological, personality, quantitative. The following courses are required: 510, 526, and 509. addition, the student is required to take research credit during all the first three quarters of residence.

CLINICAL PSYCHOLOGY

The clinical psychology program, approved by the Education and Tra ing Board of the American Psychological Association, provides train such that the student may prepare for a career in clinical activities, search, or teaching. Students are expected to have experience in at le two of these activities by graduation. Two types of programs are availa (a) general clinical in which 39–41 hours are required for a major (

95 [all but the first quarter of residence], 541, 537, 531, 543a and b, 93e–9, 598 and electives); and (b) experimental clinical for those who lan careers primarily in research in which 39–41 hours are required for ne major (523, 595 [all but the first quarter of residence], 541, 537, 531, 93e–3, 509, 598 and electives).

COUNSELING PSYCHOLOGY

The counseling psychology program, approved by the Education and raining Board of the American Psychological Association, is designed prepare students for college and university positions, hospital posi- ons, or positions in social agencies. Students are expected to develop mpetencies in research and teaching as well as in counseling and other sychological services. The required courses are 523, 536, 537, 541, 547, 93f–9, and 598. In addition, the following electives are recommended: 30, 531, 538, 539, and 543.

INDUSTRIAL PSYCHOLOGY

The industrial program is designed to provide the student with an portunity to acquire the basic skills and information necessary to do plied and theoretical research in a wide variety of work settings. Stu- nts must take courses designed to provide depth in the classical areas industrial psychology; with special emphasis on experimental design, ultivariate analysis, and applied experimental methods. In addition, e program provides breadth in sampling of advanced courses from fferent areas. Required courses are 581, 576, 524, 525, 526, 593h (1–6), 1, 572, 573, 574, 595. One minor may be taken outside of the depart- nt if it is considered by the industrial committee to be a valuable junct to the student's program.

Research and Practicum

ecause of our commitment to the importance of broadening the scientific se of psychology and to the development of skills in the application teaching of psychological principles, a variety of research and prac- um experiences is considered an integral part of the student's train- g. Therefore, with the exception of the first quarter, the student is pected to participate in research or practicum each quarter of residence. Research may be of the student's own design or may be in conjunc- n with various studies being conducted by staff members. Research mpetence in original individual research is required of all students in her case.

Training Assignments

a vital part of our graduate training program, each student must be gaged in a training assignment each term. These assignments vary ording to the needs and professional aspirations of the student. They designed to supplement the formal course work by a variety of pre- fessional activities such as assisting in research, teaching, etc., under ff supervision. The training assignment increases in responsibility as student progresses. The amount of time required of the student varies m 10 to 20 hours a week, depending upon his level of progress, the e of assignment, etc. The purpose of these assignments is to expose student to some of the types of activities that he will ultimately be gaged in after he receives his degree.

Recreation and Outdoor Education

The Department of Recreation offers a broad interdisciplinary, inte departmental program of study leading to the Master of Science in Ed cation degree. The curriculum is designed to prepare professional leade ship for the supervision, management and administration of recreati wherever it is needed.

All students admitted to the Masters Program are expected to complet 1) The core of professional courses: Recreation 500, 520, 530, 540, 5 Education Administration and Foundations 500, Sociology 487, a Marketing 440; 2) Sixteen quarter hours in their chosen option; and A thesis, or internship of one year and a research paper.

Community Recreation Management

The greatest need for recreation leadership is in the local community. is here that recreation under governmental, voluntary, industrial, edu tional, religious, and private auspices takes its roots. This area of speci ization prepares the student for administrative and supervisory positio in municipal recreation and park commissions, park districts, pub schools, private agencies, military and industrial complexes, and stud unions.

Recreation for Special Populations

Organized recreation programs for special groups are becoming incre ingly important to hospitals, nursing homes, schools for the retard golden age clubs, prisons, and other institutions. Community recreat departments are offering programs for special populations for those v remain in the community.

Commercial Recreation Management

Commercial recreation is mushrooming throughout the country, bring an unprecedented demand for leadership in the management of s establishments as resorts, country clubs, marinas, tourist attractions, public and private assembly facilities such as convention halls, civic community centers, auditoriums, and arenas.

Outdoor Recreation Management

There is an increasing need for professional recreation personnel who manage and administer recreation activities and programs under nat conditions. Camp executives, counselors, conservationists, naturalists, leaders are needed for an increasing number of programs related to door recreation. Students interested in Otudoor Recreation Reso Management should contact the Forestry Department for admission quirements and further information regarding this program.

Rehabilitation

In response to pressing human and social needs, the applied fiel rehabilitation has solidly entrenched itself as a professional disci over the past twenty years. Multi-disciplinary courses of study have drawn together from the behavioral, social, and medical sciences propriate to the development of competent practitioners and program

n rehabilitation and welfare agencies. The overall program is left urposely broad and flexible to permit the inclusion of training innovaons and emerging career patterns.

The Rehabilitation Institute offers graduate programs leading to a Master of Arts or a Master of Science degree in behavior modification and ehabilitation counseling. Each degree requires a minimum of 72 quarter ours of course work and field experience. An M.S. degree in rehabilitaon administration may be obtained by the successful completion of a inimum of 48 credit hours of course work and field experience. These ncentrations are sufficiently open to permit a student to emphasize ork with a particular population such as the emotionally disturbed, rrectional wards, mentally retarded, physically handicapped, ecomically deprived, or others. The graduate may work in such settings s state-federal vocational rehabilitation programs, clinics, hospitals, orkshops, correctional centers, youth camps, or employment service fices. In addition to the approved course of study, students may complete three to six-month paid internship in an approved agency or institution.

Application forms for both the Graduate School and the Rehabilitation stitute must be separately submitted. Forms for the former may be tained from the Graduate School, and institute forms may be obined from the director, Rehabilitation Institute. Acceptance in the proam is contingent on the final approval of the admissions committee of e Rehabilitation Institute after processing by the Graduate School.

Rehabilitation Counseling

his is a six-quarter graduate program leading to either the Master of rts or Master of Science degree. The trained professional counselor ust demonstrate competence in establishing a counseling relationship, se evaluation, assessment procedures, program planning and coordinan, and vocational placement, as well as have an awareness of profesnal and community resources that can be utilized in the rehabilitation ocess. Required courses: 480, 551, 532, 541, 556, 511, 561, 519, and uidance 505. The student will also be given quarterly field work assignents (585c) and must complete a full quarter internship in a rehabilitan setting.

There is sufficient flexibility in the curriculum so that special interests d needs of students can be pursued by careful selection of electives. me suggested electives include personality dynamics, social psychology, mmunity dvelopment, group processes, educational psychology, ecomic deprivation, and processes in social work. A special plan of study d field experience is available for students emphasizing rehabilitation the area of crime and corrections or the mentally retarded.

Behavior Modification

he behavior modification major is designed to train students in the plication and evaluation of techniques which have demonstrable utility the modification and development of human behavior. Empirical inciples derived from functionally established relationships in human havior are translated into practical technological tools.

Within this framework, students may specialize in environmental proamming and direct service with such broad groups as the mentally arded, mentally disordered, slow learners and problem children, and specific problem areas such as incentive programs for job training,

learning disabilities, stuttering, cigarette smoking, sexual behavior, and language development.

Candidates in the behavior modification program generally work towards the Master of Arts degree which requires a total of 72 hours of credit. Course programs are tailored to fit the needs and interests of individual students. Most students will enroll in a first-year course sequence which includes Rehabilitation 420, 485, 520, 533, and 526. Further course work may include substantive areas such as sexual behavior, child behavior, schedules of reinforcement, aversive control, and programmed instruction. All students participate in a one-quarter full-time internship at an affiliated training center.

Rehabilitation Administration

The design of this major is to prepare generalists to serve as administrators, coordinators, supervisors, and programmers in such rehabilitation settings as workshops, clinics, special schools, youth centers, and state agencies. Requirements for the M.S. degree are a minimum of 48 quarter hours of course work and field experience, at least one quarter of full-time internship and a research paper. The internship may be waived for the candidate who already has a wide range of experiences in rehabilitation or welfare agencies.

Candidates will develop competencies in program planning and development, organization and administration of service/training units, and in staff development and supervision. Specific course requirements are Rehabilitation 480, 481, 501, 503, 551, 541, and 585a. Select courses in the Departments of Management and Marketing are also strongly recommended.

Secondary Education

The Department of Secondary Education offers programs leading to the Master of Science in Education degree and the Sixth-Year Specialist's Certificate. In addition, the department offers courses that are applicable to the Doctor of Philosophy degree in curriculum and instruction.

The master's degree in secondary education is planned jointly by the Department of Secondary Education and the department of the student's teaching field. Required for unconditional admission to the master's program are a 3.7 overall undergraduate average, the successful completion of at least eight quarter hours of student teaching, enough professional education hours to meet requirements for a secondary school teaching certificate, and a major in the teaching field. A program of 48 quarter hours will be planned to include a research requirement and at least two graduate level courses in Secondary Education. The student will take 24 to 32 hours of graduate work in his teaching field and 16 to 24 hours of graduate work in education. During the period the student is taking his last twelve hours of work, a comprehensive oral or written examination will be administered by the department.

The department offers a Sixth-Year Specialist program for experienced teachers and other personnel in the secondary school. The specialist program is regarded as terminal in nature and not as a step toward the doctorate. Applicants for admission to the Sixth-Year Specialist program should possess a master's degree, two years of successful teaching experience, and an acceptable score on the Cooperative English test. To obtain

the Sixth-Year Certificate the student must complete 96 hours of graduate work beyond the bachelor's degree. At least half of the minimum hours required shall be in secondary education and supporting professional areas. Forty hours of the 96 shall be from disciplines outside of education. A field study or internship is a required part of the program.

Secondary education participates in the doctoral program in education in the functional area of curriculum and instruction. Students interested in secondary education may pursue an equivalent of a major concentration within the area program. For additional information on the Ph.D. see the preceding section entitled Education. Inquiries regarding the Ph.D. with emphasis in secondary education should be addressed to the coordinator of the area of curriculum and instruction in the College of Education.

Secretarial and Business Education

Graduate courses in business teacher education may be taken as a major or minor in the Department of Secretarial and Business Education leading to the Master of Science in Education degree. The program in business teacher education consists of a minimum of 48 hours of course work distributed as follows: (1) 18–24 hours in business teacher education courses; (2) 12–18 hours in other School of Business courses; (3) 12–18 hours in College of Education courses; and (4) 0–12 hours of approved electives.

The graduate program is planned for those students who have an adequate subject-matter and professional-education background in at least one of the following business teaching areas: (1) secretarial, (2) general business, (3) bookkeeping and accounting, or (4) distributive education. Deficiencies in background must be eliminated by taking appropriate courses.

The graduate program is aimed at upgrading and making more proficient those individuals who have already met or surpassed the minimum requirements for teaching business subjects in the high schools and junior colleges of Illinois. The dual purpose of the program is to provide advanced professional education in business teaching fields and to develop competence in utilizing research findings in the field. In keeping with the general requirements of the Graduate School, each student is required to write a research paper. Those who have special interest and ability in research or who expect to go on to advanced graduate study are encouraged to write a thesis.

Two advanced graduate programs for business teachers who hold the master's degree or its equivalent, each providing for a concentration of study in business education, are offered. They are specialist program in secondary education and doctoral program in the functional areas of curriculum and instruction. Both programs are operated under the jurisdiction and within the organization of the Graduate School and the College of Education.

Sociology

The Department of Sociology offers programs of graduate study leading to the Master of Arts, Master of Science, and Doctor of Philosophy degrees. Several areas of major or minor concentration are provided for advanced work beyond the general master's program. These areas are: social dis-

organization, deviance, and control; social organization, with particula reference to complex organization and the community; social psychology the sociology of the family; sociological theory. In addition, a speci program in sociology and corrections, leading to the master's degree i sociology, is offered in cooperation with the Center for the Study of Crim Delinquency, and Corrections.

Close ties are also maintained with the Community Developmer Institute, the Public Affairs Research Bureau, Clinical Services, and th Computer Center which may offer special opportunities for graduate st dent training and research.

Applicants for admission to graduate study in sociology should apply i writing to the chairman of the department. Detailed statements of d partmental requirements for the Master of Arts and the Doctor of Philos phy degrees are available upon request.

Special Education

Several programs leading to a Master of Science in Education degree a offered by the Department of Special Education. Courses which lea to certification as a teacher of exceptional children may be include in the master's degree program. This training is specifically designed f individuals who have had successful teaching experience in regular clas rooms and who wish to qualify as teachers of mentally retarded, em tionally disturbed, or acoustically handicapped children.

For persons holding certification in some area of teaching exception children, a program designed to meet the requirements for special ed cation administrative positions is offered. This is a program which flexible enough to meet the needs of persons with a background in a one of a variety of special education areas.

A Sixth-Year Specialist's certificate program in special educati with emphasis on one or more areas, including special education supe vision, is available.

Finally, building on the core requirements of the functional area Educational Psychology, a Doctor of Philosophy degree in educati with an emphasis in special education is offered. This program has i base in the requirements indicated in the functional area of education psychology. Specific course requirements for the emphasis in speci education include extensive seminar experiences in the study of all typ of exceptional children.

A number of graduate fellowships under Public Law 85–926 (amended by Public Law 88–164) are available to qualified persons see ing careers in special education through study in this department.

Speech

Courses are offered in speech leading to the Master of Arts, Master Science, and Doctor of Philosophy degrees. The Master of Arts and t Master of Science degrees are offered with specialization in public a dress, interpretation, and general speech. Courses in speech may be tak as a part of the program leading to the Master of Science in Educati degree.

Master's Degree Programs

The student should submit the equivalent of an undergraduate maj

n speech in order to be admitted unconditionally as a full-time graduate tudent for the master's degree.

The program of course work leading to the master's degree includes reas and techniques of research and a seminar in the area of emphasis. A total of 48 hours is required for the degree. Competence in one foreign anguage is required for the Master of Arts degree.

The research requirement for the master's degree may be met by ither of the following plans:

Plan 1

1. Submit a thesis demonstrating ability to do research on a topic approved by the graduate committee of the Department of Speech.
2. Take a minimum of 39 hours of course work.
3. Pass an oral examination over the thesis and course work.

Plan 2

1. Submit a research paper as evidence of a knowledge of formal research techniques, a copy of which will be submitted to the Graduate School for its permanent records.
2. Take a minimum of 48 hours of course work.
3. Take a comprehensive written examination over the course work aken for the degree.

. The student will be given a choice as to which of the above plans he vishes to take; however, the graduate committee of the Department of Speech will make the final determination as to which requirement the tudent must meet.

Doctor of Philosophy Degree

Each student shall demonstrate competence in at least two of five areas: nterpersonal communication, interpretation, rhetoric and public address, peech education, and theater. Special competence is to be demonstrated n one of the two chosen areas. The student's academic adviser shall be rom the area of the student's special interest. The student, after consultaion with his adviser and a professor from the second area, will formulate he program he intends to pursue prior to taking the preliminary examinaion. The program should include at least 32 hours in the special area of competence and 16 hours in the second area of competence. Course work n the Departments of Speech and Theater but outside his two areas of competence may be included where it seems appropriate. Course work outside the departments may also be included in this program. However, he proposed program must meet the Graduate School requirements for esidence, and shall exclude course work designed to meet the research ool requirement. Any change in the program must have prior approval of he student's advisers. After completing 24 quarter hours of his program ach student shall be examined by a review committee made up of the doctoral graduate faculty. This committee will recommend continuation, change or termination of the program. The adviser for each student shall e responsible for assembling the necessary information (grades, recommendations, progress in tool requirements, etc.) for consideration in eaching the above decision.

Before admission to candidacy the student must demonstrate competence in one research tool. This shall embody skills needed in understanding materials in the field, or in the conduct of research for the dis-

sertation, or in continuing research contributions in his field of specializ tion. Competence may be achieved in a language, statistics, comput programming, or in another area as determined by a committee made u of one professor from each area of emphasis. Proficiency will be d termined for language and computer programming, and in some cases statistics, through examinations. Twelve hours of work in statistics wi a grade of *B* or better shall be considered a demonstration of proficienc in statistics. In some cases, a student may satisfy the research tool r quirement through the completion of twelve hours of additional cour work outside the Department of Speech, the courses to be determine after the student has selected his research area. A grade of *B* or better wi be required in these courses. It is evident that in certain research project requirements beyond the foregoing might be clearly indicated, and if s the student's adviser will specify.

Speech Pathology and Audiology

The Department of Speech Pathology and Audiology has as its o jective the training of personnel for communication science research, f college and university teaching, and for the diagnosis and treatment persons with speech and hearing impairments. Course work leads to cert fication as a speech pathologist or audiologist in public schools and r habilitation centers by meeting certification requirements of the Amer can Speech and Hearing Association. Its program in clinical trainir is approved and registered with the Education and Training Board the American Board of Examiners in Speech Pathology.

Professional experiences for graduate students are provided in th following settings: the University's Clinical Center; a summer residenti camping program for persons with organic speech problems, in cooper tion with the University of Illinois Division of Services for Cripple Children; the V.A. Hospital in Marion; A. L. Bowen Center for Retarde Children; and the Anna State Hospital. Cooperative programming maintained with other public and private agencies such as the Divisio of Vocational Rehabilitation, the Easter Seal Society, and the Nation Association of Speech and Hearing Agencies. Students participate i traveling speech and hearing clinics which serve schools and communitie through the media of surveys, diagnostic examinations, and therapy. Th department has available R.S.A. traineeships, Office of Education fe lowships, N.D.E.A. fellowships for support of graduate education in a dition to graduate and research assistantships. Students can also appl for the special doctoral assistantships and graduate fellowships availab from the Graduate School through the department.

Specialized experiences with orthodontists, prosthodontists, plast surgeons, otologists, and others of the medical and dental professions a available in the St. Louis and Chicago areas. Emphasis is on the inte disciplinary relationships with other professions throughout the trainin process.

The department maintains active research facilities which provic laboratories and specialized equipment for the study of both the norm and impaired functions of the speech and hearing processes and the relationship to language formulation. The speech science laboratory equipped for electromyographic study of the speech musculature, rad telemetry, electrophysiology of hearing, and spectrographic analysis

eech signals. The experimental audiology laboratory, which includes n anechoic chamber, is equipped for investigation in air and bone nduction sensitivity, localization, and speech discrimination. It also is facilities for automatic audiometry, PGSR, middle ear impedance, id aural reflex experimentation. Facilities are also available for the e of palmar sweat measurements as a physiological index of emotion, r the study of pathoanatomy and pathophysiology of cleft lip and eft palate through roentgenocephalometrics and cinefluoroscopy, and r the experimental analysis of behavior and behavior modification.

Graduate courses in the Department of Speech Pathology and Audiol-y may be taken for a major leading to the Master of Arts, Master of cience, and Doctor of Philosophy degrees. Requirements for the various egrees are determined through advisement commensurate with profes-onal growth of the student.

Additional information regarding financial aid, programs, and applica-on procedures can be secured by writing to the chairman, Department Speech Pathology and Audiology, Southern Illinois University, Car-ndale, Illinois, 62901.

Technical and Industrial Education

udents may pursue the Master of Science in Education degree—48 arter hours of course work or the Master of Science degree with a ajor in Technical and Industrial Education—48 quarter hours, includ-g 5 to 9 hours of thesis.

Programs of study are developed by the student and his adviser de-nding upon deficiencies, interests, and career goals. Programs are xible, and course work may be done in other units of the University. he student is advised to prepare for one major area of concentration id one minor professional area. Some of these areas are: teacher of dustrial arts (called Enterprise: Man and Technology), of trades and dustries, of technical teaching, or of health occupations; coordinator cooperative occupational education programs; and supervisor, director, administrator of secondary, area vocational, community junior college, other vocational-technical or occupational educational programs.

Students with a bachelor's degree in science, technology, or engineer-g may qualify for advanced study which may involve technical subjects, udy in work situations and educational institutions, and internship in aching or other professional assignments.

Students may pursue the Doctor of Philosophy Degree in Education nder the functional area of curriculum and instruction with advanced urse work in technical and industrial education as determined by their ogram committee.

One-half or one-quarter time instructorships, teaching or research as-stantships, and fellowships are available for qualified applicants. Ad-tional information about programs, courses, instructorships, assistant-ips, and fellowships may be obtained from the chairman of Technical id Industrial Education.

Theater

he Department of Theater offers courses leading to the Master of Arts id Master of Science degrees and to the Doctor of Philosophy degree

in speech with a concentration in theater. An M.F.A. degree progra offering a specialization in one of three areas (acting/directing, desig and playwriting) has been initially approved and will be effected in th near future.

Candidates for the master's degrees must complete 48 hours of gra uate credit; the Master of Arts candidate must demonstrate competen in a foreign language. Each candidate for the master's degree will produ a thesis or its equivalent (creative work in play direction, costume scene design, or playwriting). The chairman appoints a director for ea candidate's program. The Doctor of Philosophy degree program in spee with a specialization in theater is open to students holding a master degree. Doctor of Philosophy degree candidates are required (1) to con plete a minimum of 32 hours in theater and 16 hours in speech; and (2 to complete a theater dissertation. Qualified candidates may offer a cr ative equivalent in producing, playwriting, or design, under the supe vision of an advisory committee. Candidates for the Doctor of Philosoph degree with a major concentration in theater must demonstrate competen in one research tool (refer to speech for description) relevant to skil needed for understanding materials in the field, or in the conduct research for the dissertation, or in continuing research contributions the field of specialization. Competence may be achieved in a languag statistics, computer programming, or in another area as determined by committee composed of one professor from each area of emphasis. Cand dates must also satisfy the graduate staff that they are qualified f candidacy by passing a comprehensive preliminary examination. Gradua courses in theater may also be taken as a secondary concentration leadi to the Doctor of Philosophy degree in speech.

Candidates for the Doctor of Philosophy degree who have a speci interest in dramatic literature may earn the degree by substitutin dramatic literature courses as offered in the Department of English f theater courses.

An undergraduate major in theater is not essential for admission candidacy for a graduate degree. A student with an undergraduate maj in speech or English, for instance, may audit undergraduate courses theater to make up any deficiencies.

Graduate students are urged to supplement their class work with pra tical experiences in acting and production. Membership in the Southe Players is open to graduate students, and they may also earn gradua credit as members of the Southern Touring Company and the Summ Stock Company.

Zoology

Graduate work in zoology may be taken as a major or a minor towa the Master of Arts, Master of Science, and Doctor of Philosophy degre and as a part of a program in biological sciences toward the Master Science and the Master of Science in Education degrees.

Candidates for the Master of Science and Master of Arts degre must have the consent of the department and at least 35 hours of unde graduate credit in zoology equivalent to 102, 103, 202, 300, 310, and 40 Further required undergraduate work includes introductory college chemi try with laboratory (equivalent to Chemistry 121a,b) and one year college mathematics including algebra and trigonometry (equivalent

lathematics 111). Deficiencies in undergraduate preparation may be moved concurrently with graduate work.

Completion of work for the Master of Arts degree requires, in addi-on to the general requirements of the Graduate School, a reading knowl-lge of one foreign language, calculus (equivalent to Mathematics 150), n approved thesis, Zoology 581, and continuous registration in Zoology 32, or, in the instance of approved conflict, registration for the seminar another biological science department. A minor outside the department required.

The requirements for completion of the Master of Science degree are e same as for the Master of Arts with the following exceptions: (1) a ading knowledge of a foreign language is not required; (2) a research aper may be offered in lieu of a thesis; (3) introductory statistics equivalent to Guidance 422b), rather than calculus, is required; and 4) the student must complete 54 quarter hours of formal courses, in-uding 36 in zoology.

The doctoral degree at Southern Illinois University is a research oriented egree awarded for high accomplishment in a particular discipline or terdisciplinary area. Admission to the doctoral degree program in ology ordinarily requires previous training in animal science. A good ckground in all life sciences, chemistry, mathematics, and phyiscs is sirable. Each student's program of study is based upon the results of an visory examination, the student's overall background, the requirements the preliminary examination, and the proposed specialization. The stu-nt's adviser aids in the selection of a minor and establishes the program quirement. A dissertation demonstrating scholarly merit and the ability perform independent research are required.

Areas of specialization possible within zoology include developmental logy, invertebrate zoology, systematics, wildlife management, orni-logy, genetics, fish management, cytochemistry, ecology, parasitology, tomology, limnology, herpetology, vertebrate morphology, mammalogy, rtebrate paleontology, animal behavior, and endocrinology.

3 / Course Descriptions

Here are described all of the courses offered by the University on the Carbondale campus for graduate credit. Courses are listed numerically within each subject-matter area. Areas are listed below in the order of their appearance on the following pages.

Accounting
Agricultural Industries
Animal Industries
Anthropology
Applied Science
Art
Botany
Business Administration
Chemistry
Clothing and Textiles
Design
Economics
Educational Administration and Foundations
Elementary Education
Engineering
Engineering Technology
English
Finance
Food and Nutrition
Foreign Languages
French
German
Russian
Spanish
Forestry
Geography
Geology
Government
Guidance and Educational Psychology
Health Education
Higher Education
History
Home and Family
Home Economics Education
Instructional Materials
Journalism
Management
Marketing
Mathematics
Microbiology
Music
Philosophy
Physical Education
Physics
Physiology
Plant Industries
Psychology
Recreation and Outdoor Education
Rehabilitation
Secondary Education
Secretarial and Business Education
Sociology
Special Education
Speech
Speech Pathology and Audiology
Technical and Industrial Education
Theater
Zoology

The first entry for each course is a three-digit numeral which serves to identify the course. Courses numbered 400–499 are open to both seniors and graduate students. Courses numbered above 499 are for graduate students only.

Following the course identification number is another number, which indicates the maximum credit allowed for the course. The maximum may vary, and specific quarter hours may be assigned for each quarter a course is given.

Following the course description there may be prerequisites which must be satisfied before a student is permitted to enroll.

To learn in which quarter a course is offered, the student should consult the Schedule of Classes published for both campuses by Central Publications, Southern Illinois University, Carbondale, Illinois 62901.

Accounting

4–4 Accounting Concepts. Interpretation and critical analysis of reports, statements, and other accounting data from the viewpoint of users of financial information. Restricted to Master of Business Administration students.

4–4 Electronic Data Processing in Business. An introduction to computers and their uses in business applications; computer components, programming, and analysis of business systems; exploration of effects of computers upon business organization and society. Prerequisite: 251c.

4–4 Advanced Cost Accounting. Managerial control and profit planning

through capital budgeting, inventory planning, subject probabilities, statistic methods, and operations research; direct and relevant costing; nonmanufactu ing costs; differential and comparative cost analysis. Prerequisite: 341.
453–4 Advanced Accounting. Advanced study of accounting princip and procedures relating to specialized topics, including partnership equit installment and consignment sales, insurance, compound interest, and prepar tion and use of consolidated statements. Prerequisite: 351b.
455–4 Accounting for Public Organizations. Financial and managerial accou ing concepts peculiar to the planning and administration of public and qua public organizations, such as governmental units, institutions, and charita organizations. Includes the conventional budgetary-appropriation prices, well as some of the more recent accounting developments related to pub decision making. Prerequisite: 261.
456–4 Auditing. Objectives, standards, and procedures involved in examini and reporting on financial statements of business organizations. Prerequisi 341 and 351b.
458–4 Accounting Systems. Accounting systems, design, and installation. I amination of existing systems and practice in systems design. Designing ports for management. Prerequisite: 341, 351b.
459–4 Internship in Accounting. Supervised work experience in professio accounting. Prerequisite: consent of department.
461–4 C.P.A. and Advanced Accounting Problems. A course using proble from the American Institute of Certified Public Accountants' examinati given in recent years and supplementary problems from selected sources. P requisite: 341 and 351b.
475–4 Budgeting and Systems. Study of concepts, methods, and tools u in the design of management information systems. Budget program is veloped to identify problems in coordinating and controlling business activit Prerequisite: 261.

Agricultural Industries

410–2 to 4 Problems in Agricultural Services. Discussion, assignments, special workshops on problems related to inservice training programs in agriculturally related fields. Development of more effective programs in w ing with farm people. Prerequisite: graduate student in agricultural serv or consent of instructor.
411–3 Agricultural Extension. A study of the history, organization, objecti programs, and methods of agricultural extension work. Prerequisite: ju standing.
412–4 Principles of Agricultural Mechanization. Theory and use of rer controls, electric motors, survey kits, and other devices adaptable to the n and interests of educators involved in agricultural mechanization laborato Prerequisite: Secondary Education 310.
417–4 Agricultural Development in Emerging Countries. Principles and p tices in improving agriculture in areas with limited capital and low leve technology. Special emphasis on developments in Asia, Africa, and S America. Prerequisites: 204 or GSB 211a.
418–3 Marketing Practices and Problems in Developing Countries. Typ markets, assembly of products, storage, transportation, quality determina and pricing practices which are peculiar to the developing countries. M organization and practices for the major export products and the prin domestic foods and fibers in such countries. Methods of progressively proving such markets. Prerequisite: 354 or Economics 215.
450–4 Advanced Farm Management. Methods of analyzing farm enterp comparing farm enterprises, comparing farm businesses, allocating far sources, combinations of enterprises, and production factors. Field trip mated cost $5.00.
456–11 (3,2,2,2,2) Agricultural Marketing Problems and Practices. (a) operatives. Development of the agricultural cooperative movement, ag tural cooperative organization, legal requirements, principles and practi agricultural cooperative associations. **(b)** Livestock. Problems and their tions in marketing livestock. **(c)** Field Crops. Problems and their soluti marketing field crops. **(d)** Dairy and Poultry. Problems and their sol in marketing dairy and poultry products. **(e)** Horticultural Crops. Pro

d their solutions in marketing horticultural crops. Field trip cost $5. Prequisite: 354.

1–4 Land Resource Economics. (Same as Forestry 471 and Economics 471.) ne use of land as an economic variable in production of goods and services; nd markets; group versus individual conflicts; elementary land resources anning techniques. Field trips cost about $5. Prerequisite: GSB 211, Ecomic 215, or Forestry 215, or Forestry 470.

3–4 Advanced Farm Power. Farm power theory and its application, for aining teachers to diagnose and correct difficulties in engine, power transssion, and hydrostatic systems. Prerequisite: 373 or equivalent.

8–4 Advanced Farm Machinery. Materials on construction; basic mechanics volved in tillage machinery; rotary power transmission; product cleaning, ying, and sorting; costs of operation; materials handling. Prerequisites: 350, 3, and 374, or consent of instructor.

2–3 Seminar-Research-Work Experience on International Agricultural Probms. Weekly two-hour discussion period on methods by which foreign stunts can adapt information and training obtained in U.S. oriented courses the solution of important agricultural problems in their home countries. pplemented by work experience and research on the University farms, laboratories, and in the library.

5–3 Principles and Philosophies of Vocational and Technical Education. ee Technical and Industrial Education 485.)

5–3 Agricultural Industries Research Methods. Agricultural economics rearch methods with particular reference to types of research problems enuntered, sources of data, problems in developing new data and methods of alysis. Prerequisite: consent of chairman.

2–3 to 6 Agricultural Occupation Internship. Prepares coordinators to fulfill eir responsibilities in selected areas of agricultural related occupations rough an internship in the area of specialization and through orientation to ated technical information. Prerequisite: 312b or consent of chairman.

)–1 to 6 Readings. Contemporary books and periodicals on selected areas the field.

)b–1 to 6 Readings in Resource Economics. (Same as Forestry 520b and onomics 502.) Directed reading in the field of natural resource economics.

5–3 Interrelated Vocational Cooperative Education. (See Technical and dustrial Education 525.)

5–4 Production Management. A study of the principles of production econics upon which problems in agricultural production and resource use can analyzed. Emphasis on principles applicable to the farm business and to m policy, including concepts relating to the decision-making process and m planning under perfect and imperfect knowledge and with limited reces. Prerequisites: 12 hours equivalent in economics, agricultural economics, l consent of instructor.

5–2 Advanced Agricultural Prices. Continuation of analysis of factors affect agricultural prices; the application of these factors in price prediction. requisite: 352.

5–4 Advanced Agricultural Marketing. Current complex problems in agriural marketing and methods of developing solutions; cooperative activities. requisite: 12 hours or equilavent in economics and agricultural economics.

5–1 to 6 Research. Directed research in selected areas of agricultural indus-s.

5–1 to 6 Seminar. Problems relating to various phases of the field of agricul-l industries, such as farm management, marketing, prices, farm policy, l economics.

59–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Animal Industries

41–8 (4,4) Animal Nutrition. (a) Physical and chemical properties of nutrients an their uses and principles involved in determination of nutrient requirents. (b) An integration of the basic facts concerning the nature of nutrients an their metabolism. Must be taken in a,b sequence. Prerequisites: 315 and or nic chemistry or equivalent.

120–4 Commercial Poultry Production. Broilers, layers, and turkeys as adapted to oultry speciality farms. Field trips. Prerequisite: 121.

430–4 Dairy Cattle Breeding and Management. Application of principles breeding, nutrition, physiology to the management of the dairy herd. Fie trip required. Prerequisite: 332.
431–4 Reproductive Physiology of Domestic Animals. Comparative physiolo of reproduction in farm animals and the principles of artificial inseminatic Prerequisite: one course in physiology.
432–3 Quantitative Inheritance of Farm Animals. A review of the princip underlying the influence of mutation, selection, migration, and random dr in animal breeding population; estimation and interpretations of heritabilit and genetic correlations; effects of variances of quantitative traits of fa animals. Prerequisite: 332.
433–3 Dairy Cattle Nutrition. Application of the latest knowledge of digesti and metabolism in ruminants, and their nutritional requirements to da herd feeding. Prerequisite: 315.
434–3 Physiology of Lactation. Anatomy of the mammary gland, hormo control of development and secretion, milk synthesis, physiology and r chanics of milking. Prerequisite: organic chemistry and physiology.
456b–2, 456d–2 Agricultural Marketing Problems and Practices. (See Agric tural Industries 456.)
465–5 Swine Production. Breed selection, breeding, feeding, management, a marketing of swine. Field trip. Prerequisites: 315, 322.
480–4 Sheep Production. Breeding, feeding, and management of sheep. Fi trip. Prerequisites: 315, 332, 431.
485–4 Beef Production. Breeding, feeding, and management of beef and du purpose cattle. Field trip costs about $3. Prerequisites: 315, 332, 341.
487–4 Commercial Livestock Feeding. Principles and problems in fatten beef cattle and sheep for market. Prerequisites: 315, organic chemistry.
502–3 Surgical Research Techniques in Farm Animals. Basic methods of perimental surgery and sampling of biological materials in research on fa animals. Practice of techniques discussed in the lectures. Prerequisite: cons of instructor.
505–8 (4,4) Research Methods in Agricultural Science. (a) Experime design and biometry as applied to agricultural research. (b) Instrumenta and analytical procedures as applied to agricultural research. Prerequis consent of instructor.
520–1 to 6 Readings in Animal Industries. Readings in specialized fields ur direction of approved graduate specialists.
525–4 Advanced Poultry Production. Study and interpretation of the objecti design, and results of research in poultry feeding, breeding, and managem
530–4 Advanced Dairy Production. Study and interpretation of researcl dairy farming, including buildings, herd management, quality milk product and dairy marketing problems. Prerequisite: 430.
565–4 Advanced Swine Production. Study and interpretation of researcl swine feeding, breeding, housing, management and marketing problems. requisite: 465.
575–1 to 6 Individual Research. Investigation of a problem in animal sci under the supervision of an approved graduate specialist.
579–4 Animal Behavior (See Zoology 579.)
581–1 to 6 Seminar. Problems relating to various phases of animal indust
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's de

Anthropology

400–4 Man and Culture. The nature of culture and cultural process. Rela ships of culture and man as an individual and as a group. Emphasis on anthropological point of view." Prerequisite: 250 or equivalent.
401–4 Language in Culture. Language as a part of culture. Linguistics an study of culture. Prerequisite: 275d or GSB 102a.
402–3 Human Biology. The interaction of biological and cultural beha This course would view man as to his zoological positions, genetics, past present; and the biological bases for his unique behavior in the animal v i.e., cultural behavior. Prerequisite: 275d or GSB 102a.
403–3 General Archaeology. Theory and methodology. The basic con underlying anthropological interpretations of man's past. Prerequisite: or GSB 102a.

4–4 Primitive Art and Technology. The development of man as an art-loving d tool-using being. Artistic and technological traditions of non-Western oples, past and present. Prerequisite: 275d or GSB 102a.

5–3 Social Anthropology. A comparative approach to the organizational tures of human groups. Functional aspects and distributions of kinship, litical, religious, and economic systems. Prerequisite: 275d or GSB 102a.

7–3 General Ethnology. Ethnology as a major sub-field of anthropology, cluding interest in ethnohistorical studies as well as the more traditional pects of the field. Prerequisite: 275d, or GSB 102a.

8–3 History of Anthropological Thought. The growth of anthropology as an ademic discipline to about 1940, with emphasis upon the concepts and as since 1860. Prerequisite: 275d or GSB 102a.

9–3 Applied Anthropology. The application of anthropological principles to e solution of problems of the modern world. Contributions of anthropology the work of the educator, social worker, administrator, business man, govern- nt official, and other specialists dealing with man in Western and non- estern cultures. Prerequisite: 275d or GSB 102.

3–3 Introduction to General Linguistics. A study of language theory, clas- ication and change. Prerequisite: 275d or GSB 102a.

5–3 Logic of the Social Sciences. (Same as Philosophy 415). Logical and istemological examination of the social studies as types of knowledge. Basic oblems in philosophy of science with major emphasis upon social science: ationship of theory to fact, nature of induction, nature of causal law, tability, influence of value judgments, etc. Intended for students with con- erable maturity in a social science or in philosophy.

3–4 Languages of the World. A description of typological and genetic (his- ical) relationships among languages of the world, with emphasis on com- rative phonology and grammatical structure in time and space. Prerequisite: d or GSB 102a.

0–3 Archaeology of North America. An introduction to the methods of haeology and a survey of prehistoric Indian cultures north of Mexico, with rticular emphasis upon the cultures of the Mississippi Valley. Prerequisite: d or GSB 102a.

–3 Comparative Economics. A comparative study of economic systems, h emphasis upon those found in primitive societies. Studies of systems ich fall outside the conventional systems such as capitalism, socialism, and cism. Prerequisite: 275d or GSB 102a.

–3 Comparative Folklore. A comparative study of the role of folklore in ious cultures of the world, with emphasis upon non-literate societies. alysis of motifs, themes, and other elements; comparisons between non- rate and literate groups. Prerequisite: 275b or GSB 102a.

–3 Comparative Law. Legal premises upon which societies are based; tems of the non-literate world; case studies of instances where these sys- s come into contact with those of literate, technologically advanced cul- s. Prerequisite: 275d or GSB 102a.

-3 Comparative Religion. Comparative study of religious systems, with phasis upon those of non-literate societies. Examination of basic premises elements of those belief systems normally excluded from discussions of "Great Religions." Prerequisite: 275d or GSB 102a.

-6 (3,3) Ethnomusicology. (Same as Music 471 except no prerequisite.)

-1 to 18 Individual Study in Anthropology. Guided research upon an- pological problems. Students should consult the chairman before enrolling. requisite: 250 or equivalent.

following seminars will deal with areal and topical problems relevant to title listed; they will vary in subject matter from year to year. Course dules will indicate who is the instructor of a particular course. Consulta- with the department will indicate the scope of a course.

3 to 9 Seminar in New World Archaeology.
3 to 9 Seminar in Mesoamerican Archaeology.
3 to 9 Seminar in Old World Archaeology.
3 to 9 Seminar in the Ethnology of the New World.
3 to 9 Seminar in the Ethnology of Mesoamerica.
3 to 9 Seminar in the Anthropology of Oceania.
3 to 9 Seminar in the Anthropology of Africa.

524–3 to 9 Seminar in the Anthropology of Europe.
535–3 to 9 Seminar in Physical Anthropology.
545–3 to 9 Seminar in Linguistics.
550–3 to 9 Seminar in the Cultures of Latin America. Topics such as the in pact of European conquest and dominance upon the native peoples and cu tures in Latin America, pre- and post-conquest manuscripts, assimilation nonindigenous peoples, with the native cultures.
560–3 to 9 Seminar in Comparative Social Organization. Topics such as rel gion, political organization, social structure, economics, kinship.
562–3 to 9 Seminar in the Anthropology of Contemporary Peoples. Topics suc as applied anthropology, peasant cultures, American culture and values.
565–3 to 9 Seminar in Cultural Change and Development. Topics such as th building of cultures, acculturation, the rise of civilization.
567–3 to 9 Seminar in Anthropological Theory and Method. The theory ar method of archaeology, or ethnology or physical anthropology.
570–3 to 9 Seminar in Art and Technology. Topics such as the art of the ear civilizations, the cultural background of art and technology, experiment problems of art, and technology.
575–3 to 9 Seminar in the Individual and Culture. Topics such as themes ar values, culture personality, enculturation, education.
581–3 to 9 Seminar in Anthropology. Topics will be announced.
582–1 to 27 Problems in Archaeology. Guided research upon archaeologic problems.
584–1 to 27 Problems in Cultural Anthropology. Guided research upon pro lems of ethnology, social anthropology, and linguistics.
585–1 to 27 Readings in Anthropology. Guided readings designed to cover sp cial topics and to fill gaps in the student's specialized anthropological bac ground.
595–6 (3,3) Field Methods in Ethnology. Includes anthropological methods enquiry and documentation of culture and habitat together with appropria instruction in the techniques of field work, such as photography and sou recording. Stress will be laid in the second part of the course (595b) on t linguistic context of culture; its appropriate recording and structural boo
596–6 (3,3) Field Methods in Archaeology. Includes anthropological metho of enquiry and documentation of culture and habitat, together with app priate instruction in the techniques of field work. Stress will be laid in t second part of the course (596b) on the practical application of archaeologi methods and techniques to field work.
597–1 to 27 Fieldwork in Anthropology. Requirements as directed by staff
599–1 to 9 Thesis.
600–1 to 48 Dissertation. No more than 18 hours in any quarter.

Applied Science

401–12 (4,4,4) X-Ray Crystallography. (a) Introductory Crystallography. L tice theory of the crystal. Miller indices. Crystal zones. The Bravais latti Symmetry elements. Proper and improper rotations. Point groups: crys classes. Operators involving translation. Space groups. Elements of crys structure. Coordination. Structure types. (b) X-Ray Diffraction Techniq X-ray diffraction by single crystals: fundamental equations. Reciprocal lat and Ewald sphere. Optical analog: The optical diffractometer. Single crys photographic methods: the Laue method: rotating and oscillation, Weiss berg, Buerger-procession and Jong-Bourman. Divergent and convergent-be techniques. Interpretation of the x-ray diagrams. Diffractometric meth fundamentals. Identification of polycrystalline materials with x-ray diffra meter (power method). Single crystal diffractometry. Absolute intensity m urements. (c) Crystal Structure Analysis. Fundamental diffraction relati Determination of the cell size, chemical formula, symmetry and space gr Measurement of intensities: geometrical and physical factors affecting tensities. The structure factor; phase of the structure factor. The anisotr temperature factor. Fourier synthesis. Electron-density projections. The p problem. Utilization of anomalous dispersion. Direct determination. Patterson method. Refinement of the structure with high speed computer
410–8 (4,4) Electronics and Instrumentation for the Life Sciences. (a) Re of electrical theory and electrical aspects of biological systems; introduc

circuit analysis; fundamentals of instrumentation, primarily electronic; laboratory. (b) Transducers and characteristics of instruments used in biological research; basic computer and data-system theory and applications; analysis of biological waveforms; simulation of biological systems; laboratory.

18–3 Digital Computers in Research. Computational techniques for matrix inversion, solution of linear equations, and characteristic roots and vectors; least square analysis, curve-fitting, and regression; design of experiment; solution of nonlinear equations; finding zeros of a function, min-max functional approximation techniques; generation of approximate solutions. Prerequisite: Engineering 222 and Mathematics 150a.

21–3 Programming Languages. A study of the development and use of programming languages for high speed stored program digital computers. Included are problem-, procedure-, and machine-oriented languages, symbolic languages, interpretive systems, macro assemblers, and list processors. A comparison of the languages will be made and each student will prepare programs using the languages studied. Prerequisite: Engineering 222 or consent of instructor.

22–3 Programming Systems. The use and methods of electronic data processing systems. Topics are searching, ordering, codifying, information retrieval, process control, executive routines, and heuristic programming. The student will apply system techniques for solution of problems using one or more of the available high speed digital computers. Prerequisite: Engineering 222 or Mathematics 225 or consent of instructor.

30–2 to 8 Special Problems. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of coordinator.

31–9 (3,3,3) Nuclear Science. An introductory course to provide a background for further work in nuclear science. Lectures and problems in radioactivity and the uses of radio isotopes, nuclear engineering, introductory reactor theory, and use of an analog computer in solving problems of neutron transport and reactor kinetics. Prerequisites: Mathematics 252b and Applied Science 30.

32–3 Nuclear Laboratory. Health physics instruments; characteristics of alpha, beta, and gamma rays; radioactive decay; counting statistics; fundamental neutral experiments. Prerequisite: 300 or Physics 300.

40–6 (3,3) Engineering Analysis. (a) Basic vector field theory; transformation theorems. Methods of solution for basic ordinary differential equations with applications to engineering systems. Prerequisite: Mathematics 252. (b) Basic methods of solution for partial differential equations with emphasis on applications of the Laplace, Poisson and heat equations to engineering problems. Basic complex variables, matrix theory, numerical analysis and simulation techniques applied to engineering systems. Prerequisite: 470a or Mathematics 305a.

41–16 (4,4,4,4) Materials Science. (a) The Crystal Structure of Materials. The concept of ionic, metallic, van der Waals, and covalent bond. The concept of hydrogen bond. Solid solutions. Interstitial phases. The crystal chemistry of inorganic compounds. Coordination structures. The role of radicals in crystal structures. The organic crystals. Long chain molecular crystals. Clathrate and molecular complexes. The structure of polymers. The structure of glass. The structure of liquids. (b) Crystalline Materials Preparation. Phase rule. Modern theories of crystal growth. Homogeneous and heterogeneous nucleation. Absorption. Layer growth. Dendritic growth: impurities. Rate of crystallization. Preparative crystallization. Twinning. Spiral growth theory. Recrystallization. (c) Perfection of Crystalline Materials. The solid as an imperfect body. Point defects. Isomorphic substitution. Composition disorder. Electron holes and traps. Other point defects. Diffusion. Monodimensional imperfections. Dislocations. The role of dislocations in growth and phase transition. Two dimensional imperfections. Crystal surface. Grain boundaries. Three dimensional imperfections. The role of imperfections in the physical properties of crystalline materials. (d) Thermodynamics of solids. The potential energy of ionic and molecular crystals. Band theory. Stability of solid phases. Equilibrium diagrams. Influence of temperature, pressure, and composition. Polymorphism: role of crystal structure. The thermodynamics of the imperfect crystal.

51–12 (4,4,4) Physical Properties of Crystalline Materials. (a) In Relation to Its Symmetry. General principles: The groundwork of crystal physics.

Transformations and second-rank tensors. Equilibrium properties: The str tensor. The strain tensor and thermal expansion. Piezoelectricity: Third ra tensors. Elasticity: Fourth-rank tensors. The matrix method. Thermodynam of equilibrium properties of crystals. Transport properties: Thermal and el trical conductivity. Thermoelectricity. Crystal Optics: Natural and artific double refraction: second order effects. Optical activity. **(b)** In Relation Its Structure I. Thermal expansion in relation to crystal structure. Compr sibility in relation to crystal structure. Influence of temperature. Magne and electrical properties in relation to crystal structure. Piroelectricity a piromagnetism. Ferroelectricity and ferroelectrics. Antiferroelectrics. F rielectrics. Ferromagnetic crystals. Antiferromagnetics. Domain structur Phase transitions. **(c)** In Relation to Its Structure II. Ionic polarizabiliti Influence of temperature. Influence of structure in crystal optics. Molecu refractivity. Structural theory of optical activity. Elasticity and crystal str ture. Piezoelectricity. Plastic deformation. Slip. Creep. Cleavage.

504–12 (4,4,4) X-Ray Diffraction and the Solid State. (Same as Physics 50 **(a)** Diffraction by an arbitrary object in Fourier transform formulati symmetry properties of scattering functions, the convolution theorem, the function or autoconvolution, the two repeated Fourier transformations, X-r diffraction by an atom, by a molecule, by an ideal crystal and by a fin crystal. Optical transforms: Fraunhofer diffraction of a circular aperture, a molecule and of a crystal of disc like atoms. The Fourier synthesis and Patterson synthesis. The inverse Fourier syntheses. High speed computati of Fourier transforms and of Fourier series. **(b)** The Born-Laval theory temperature diffuse scattering of x-rays: Determination of elastic consta dispersion relations of frequencies and velocities, interatomic force consta and elastic vibrational spectrum. Determination of Debye characteristic te peratures from the inversion phenomenon of one-phenon scattering. The I ference Fourier Transform approach. The use of optical diffractometry a optical convolution in the interpretation of imperfect crystals.

521–6 (3,3) Design of Automatic Programming Language Processors. Analy of design and construction of automatic programming language process An investigation of the structure of scientific and business oriented compil list processors, and information processing languages. The student will expected to review recent papers on these topics, to prepare an aspect of theory, prepare flow charts and program segments of the processors for languages studied. Prerequisite: 421.

522–6 (3,3) Programming Systems Design. Design of monitor systems, exe tive routines, simulators and other systems. An analysis of problems countered in designing a programming system. The student will be expec to review recent papers on these topics, prepare flow charts, to complete aspect of the theory, and to write programs for segments of the syste studied. Prerequisite: 422.

530–3 Nuclear Processing. Processing of ore to fuel; reprocessing spent f waste disposal; isotope separation and purification; materials; special repo Prerequisite: 431b.

570–2 to 6 Special Investigations. For students who wish to make a thoro study or investigation of a specific problem in technological education.

580–1 to 9 Seminar. Collective and individual study of selected issues problems relating to various technological areas.

599–1 to 9 Thesis.

Art

Art Education: 408, 460, 466, 560, 566, 599.
Art History: 445, 482, 483, 571, 573, 599.
Studio: 401, 405, 406, 410, 416, 420, 430, 436, 440, 441, 446, 493, 501, 502, 506, 511, 516, 520, 526, 530, 540, 546, 599.

401–2 to 12 Research in Painting.
405–2 to 12 Studio in Sculpture.
406–2 to 12 Studio in Painting.
408–4 Art Education for Elementary Teachers II.
410–2 to 12 Research in Prints.
416–2 to 12 Studio in Prints.
420–2 to 12 Research in Pottery.

26–2 to 12 Studio in Pottery.
30–2 to 12 Research in Metal Construction.
36–2 to 12 Studio in Metal Construction.
40–2 to 12 Research in Weaving.
41–2 to 12 Studio in Drawing.
42–2 to 12 Studio in Drawing. Prerequisite: 341–12.
45–9 (3,3,3) Modern Art. (a) 19th century. (b) Early 20th century, (c) id 20th century.
46–2 to 12 Studio in Weaving.
47a–3 The Art of Ancient Egypt and the Near East. A survey of principal onuments and archeological evidence relevant to an appraisal of the origins nd development of art in the early civilizations of Africa, Western Asia, urope and the Aegean from prehistoric times to the rise of the Persian mpire.
47b–3 The Art of Ancient Greece. A study of the origins, development and fluence of art produced in Greece and its colonies from the Bronze age to e Roman Empire.
47c–3 The Art of The Ancient Romans. An appraisal of the material culture art of the Roman civilization, its debt to other ancient civilizations and hievements in architecture, sculpture and painting from its foundation until e reign of Constantine.
48a–3 Early Christian and Byzantine Art. A survey of problems related to t and architecture produced in Christian communities and under the aegis the Byzantine Empire until the Fall of Constantinope.
48b–3 Early Medieval and Romanesque Art. A study of the development of chitecture and Art in Europe from the fall of the Roman Empire to the rmulation of the Gothic style.
48c–3 Gothic Art. A survey of major developments in Architecture, Sculpre, and painting in Europe from the earliest formulation of Gothic Style its decline in the Renaissance period.
49a–3 Art of the Renaissance in Europe. A study of developments in art ring the 15th Century in Italy and the Lowlands leading to the High naissance and its impact in European painting, sculpture, and architecture the 16th Century. Prerequisite: 225a,b,c.
49b–3 Baroque Art in Europe. A study of the formation of national style in e arts of Italy, Spain, Austria, Germany, France, Flanders and Holland m the 16th Century to the 17th Centuries with particular attention to major sters.
49c–3 The Art of 18th Century Europe. A study of architecture, sculpture d painting in European countries and colonies from the end of the 17th ntury to the French Revolution with particular emphasis on the Rococo t of Italy, England, Spain and France.
50–1 The Visual Arts in Higher Education.
51a–3 Art of Ancient Asia and America. A survey of early developments in hitecture and the plastic arts of related civilization in India, China, Japan d Ancient America, from prehistoric evidence to major monuments of the st Millenium, A.D.
51b–3 Painting In the Far East. General survey of the major pictorial arts China from six dynasties to Ch'ing dynasty, or Korea from Silla period to dynasty, and of Japan from Asuka to Edo periods. An attempt will be de to trace influences central to the development and spread of important les and to relate art to the classics of Oriental aesthetics.
51c–3 Islamic Art. A survey of important monuments and art works proed in the context of Islamic culture in the Near East, Africa, Spain, Persia, rkey and India from the 17th Century to the present.
54–2 to 12 Research in Art Education.
55–2 to 12 Studio in Art Education.
56–3 Baroque Painting in Italy. Major developments in style and expression Italian painting from the late Mannerist period until the early 18th Century.
57–3 Art History Seminar. Lectures, readings, and reports on artists, styles, jects of special interest which will be announced periodically.
58–3 Research in Art History. Individual research in the painting, sculpture, hitecture, and related arts of the various periods.
59–2 to 12 Advanced Sculpture.
60–2 to 12 Seminar in Painting.

502–2 to 12 Seminar in Sculpture.
504–2 to 12 Research in Sculpture.
506–2 to 12 Research in Painting.
511–2 to 12 Seminar in Prints.
516–2 to 12 Research in Prints.
520–2 to 12 Seminar in Pottery.
526–2 to 12 Research in Pottery.
530–2 to 12 Seminar in Metal Construction.
536–2 to 12 Research in Metal Construction.
540–2 to 12 Seminar in Weaving.
541–2 to 12 Research in Drawing. Prerequisite: 12 hours 300-level courses.
546–2 to 12 Research in Weaving.
560–2 to 12 Seminar in Art Education.
566–2 to 12 Research in Art Education.
571–2 to 5 Readings in Art History.
573–3 to 12 Problems of Art History. A detailed study of single works stylistic problems in selected areas of world art.
599–2 to 9 Thesis.

Botany

400–5 Plant Anatomy. An introduction to cell division, development, a maturation of the structures of the vascular plants. Laboratory fee $5. Pr requisites: 300, 301 or consent of instructor.
404–5 The Algae. Structure, development, and relationships of the alg Laboratory and some field work. Laboratory fee. Prerequisite: 300.
405–5 Mycology. Structure, development, and relationships of the fun Problems of economic and scientific interest stressed. Laboratory. Prerequisi 300.
406–5 Industrial Mycology. A consideration of the myriad ways in whi fungi impinge on man's affairs, with special emphasis upon their vario industrial application—real and potential. 3 lectures and 4 laboratory ho per week. Prerequisite: 405 or consent of instructor.
411–4 The Bryophytes and Pteridophytes. Structure, development, and re tionships of the liverworts and mosses, and the ferns and fern allies. La oratory. Prerequisite: 301.
412–4 The Spermatophytes. Structure, development, and relationships of t gymnosperms and angiosperms. Laboratory fee. Prerequisites: 301, 313.
414–5 Paleobotany. (Same as Geology 414). An introduction to the study fossil plants emphasizing the major features of plant evolution and the a plications of paleobotany to problems in the botanical and geological scienc Lecture, laboratory, and field trips. Student cost about $5. Prerequisite: or 400 or consent of instructor.
420–4 Physiology of Fungi. A treatment of the physiological activities of fu with particular stress upon (1) those aspects peculiar to the group by vir of their being nonchlorophyllous plants, and (2) an exploration of the p sible explanations of the parasitic vs. the saprophytic habit. Prerequisi consent of instructor.
425–15 (5,5,5) Advanced Plant Physiology. (a) Physics of the plant, wa relations, membrane phenomena, photobiology. **(b)** Covers the absorpti translocation, function and interaction of inorganic nutrient elements in gr plants with application to forest, agronomic, and horticultural species. Chemistry of the plant, anabolic and catabolic processes, photosynthe respiration, chemosynthesis. Prerequisites: 320, Chemistry 350, or a chemis minor.
428–3 Plant Nutrition. The physiological importance of carbon-, nitrog and phosphorus-containing compounds is stressed. Prerequisites: orga chemistry, minor in botany or agriculture.
440–4 Ecology of Grasses and Grasslands. Structure, analysis, and dynam of grassland communities; structure and growth of individual species. F and laboratory work costs about $5. Prerequisite: GSA 340 or consent instructor.
445–5 Ecology of Forests and Arable Lands. Forest areas in North Amer Developmental and structural analysis of forest types. Autecology of portant species. Field trips, approximate cost $10. Prerequisite: GSA 340.
449–3 Elements of Taxonomy. Principles of taxonomic research inclu

lassical and experimental methods. 1 lecture and 4 laboratory hours per week. ield and laboratory expenses $5. Prerequisite: 313 or equivalent, or consent f instructor.

50–3 Plant Geography. World distribution of plants and plant communities elated to historical, environmental, and floristic factors. Prerequisite: con- ent of instructor.

51–4 Introduction to Floristics. Principles involved and methods used in the nalysis of the flora of an area. Laboratory and field work. Student cost about 10. Prerequisite: 313.

56–5 Plant Pathology. (Same as Plant Industries 355.) A study of plant iseases caused by fungi, bacteria, and viruses. Special attention given diseases f southern Illinois plants. Laboratory and field trips. Laboratory fee. Pre- equisite: consent of instructor.

57–4 Forest Pathology. Nature and control of forest and shade tree diseases. study of tree diseases in forests, parks, streets, and nurseries. Fungi im- ortant in decay and stain of timber and its products are included. Laboratory ee. Prerequisite: 456 or consent of instructor.

70–4 Methods of Teaching High School Biology. Methods, objectives, types f courses taught in secondary school biology. Laboratory and field trips. rerequisite: major in botany or zoology.

80–4 Classic Principles of Botany. Theories, principles, and developments in ie various divisions of the plant sciences. Prerequisite: GSA 203 or consent f instructor.

00–5 Biosystematic Plant Anatomy. Study of the taxonomic implications of evelopmental and positional variation of tissues and cell types within plants. wo lecture and six laboratory hours per week. Prerequisite: 400. Recom- ended: 412, 449.

03–15 (5,5,5) Angiosperm Taxonomy. (a) Systematic treatment of all families the monocotyledoneae. **(b,c)** Systematic treatment of all families of dicoty- doneae. Laboratory fee. Prerequisite: consent of instructor.

10–4 Bio-ecology. (See Zoology 510).

12–5 Advanced Microtechnique. Preparation and presentation of research aterials. Laboratory work only. Prerequisite: consent of department. Credit n work completed.

25–5 Cytology. (Same as Zoology 525). Physiochemical, chemical, and mor- hological organization of the cell. Ultrastructure of the cellular organelles. ytochemical and submicroscopical organization of the hereditary material. orphology and function of the spindle of the nucleus and chromosomes dur- g the mitotic cycle. Synthesis and replication of nucleic acids. RNA and rotein synthesis. The genetic code. Enzymes and cell metabolism. Prerequi- te: 315 or Zoology 401.

26–5 Cytogenetics. Correlation of cytology with genetics. Cell mechanics and uclear division. Mitosis, meiosis, crossing over and mapping of chromosomes. utation, mitotic agents, effect of irradiation, polyploidy, structural abbera- ons, polytene chromosomes. Synthesis of new species, comparative karyo- orphology. Evolution and cytogenetics. Prerequisite: 525 or consent of in- ructor.

33–3 to 4 Growth and Development in Plants. External and internal factors they effect development and growth of plants, photoperiodism, and the role growth-promoting substances. 1 hour to be arranged. Prerequisite: 320.

35–3 Energetics of Aquatic Ecosystems. Energy flows in aquatic habitats; otosynethesis and respiration rate determinations under natural and lab- atory conditions; determination of dominant genera in the communities; ily and annual energy budgets; factors influencing utilization of light by tic systems; influence of daily and annual energy budgets on stratification current systems, and on seasonal successation in the community. Prerequi- e: consent of instructor.

42–3 Biosystematics. An examination of species concepts and factors effecting e formation of species. Evidence from the fields of genecology, cytotaxonomy, netics, numerical taxonomy, and chromotography are discussed as well as e phenomena of hybridization, polyploidy, and apomixis. Prerequisite: 315 Zoology 401 or consent of instructor.

53–5 Experimental Ecology. Experiments on plant response to environmental tors. Design of experiments, statistical methods, presentation of individual earch findings. Laboratory. Prerequisites: 320, GSA 340, or consent of tructor.

5 –4 The Natural Vegetation of the Mississippi Basin, Upland. Floristic

studies of the upland vegetation which occurs in the central basin of th Mississippi River. Student cost $10. Prerequisite: 313 or consent of instructo
552–4 Mississippi Flora, Aquatic. An analysis of the aquatic vegetation of th Central Mississippi basin, discussing importance to wildlife. Student cost $1(Prerequisite: 313 or consent of instructor.
555–12 (4,4,4) Advanced Plant Pathology. (a) A study of facultative funga parasitism with emphasis on the physiology of host-parasite interactions. (b A study of obligate fungal parasitism with emphasis on the physiology of hos parasite interactions. (c) A study of bacterial and viralparasitism with em phasis on the physiology of host-parasite interactions and biochemistry virus reproduction. Prerequisite: 456 or consent of instructor.
570–2 to 5 Readings.
580–1 to 4 Seminar. To be taken by all graduate students majoring in botan
590–2 to 4 Introduction to Research. Methods of presentation of research ma terials, including written reports, graphs, photographs, bibliographies. Tax nomy students learn to write keys and descriptions; Botanical Latin; nome clature.
591–3 to 9 Research. Assignments involving research and individual problem Prerequisite: consent of department.
599–3 to 9 Thesis. Work in the research for and presentation of a thesis. N more than 9 hours nor fewer than 5 hours will be allowed on thesis wor Total hours in 591 and 599 cannot exceed 15 hours to be applied to th master's degree.
600–1 to 36 Dissertation. Minimum of 36 hours to be earned for the Doct of Philosophy degree.

Business Administration

500–4 Research Methods and Communications. Analysis and functional a plications of the communication process in the planning, design and present tion of business research data. Provision of a rationale for subsequent studi involving investigative methods.
501–4 Quantitative Methods for Decision Making. Study of the means f testing the validity and reliability of managerial conclusions. Selected are include criteria development, value analysis, and statistical analysis, includi both parametric and non-parametric applications of analysis.
502–4 Business and Society. Study of the external environment of busine social, political and ethical dimensions; conflicts of business-labor-governme power groups. Social responsibilities in the formulation of a business ma agement philosophy.
510–4 Managerial Accounting and Control. Relationship of accounting to t functions of production, finance, and distribution; emphasis is given to t usefulness of accounting in administering and controlling an enterprise.
511–4 Accounting Theory. Contemporary advanced accounting theory, inclu ing controversial issues with emphasis on net income determination and as valuation; particular attention given to current publications of the prof sional and governmental agencies.
512–4 Advanced Auditing. Development of auditing theory and its impli tions for auditing practice; emphasis on auditing standards and concep pronouncements and bulletins of the American Institute of Certified Pub Accountants, and current literature.
513–4 CPA and Advanced Accounting Problems. Highly technical proble not covered in undergraduate courses primarily drawn from the Americ Institute of Certified Public Accountants' examinations.
514–4 Controllership. Function of controllership in a business organizati analysis of the duties and responsibilities of a controller; contribution o controller to effective planning, coordination, and control through accounti case studies.
519–4 Seminar in Accounting. Discussion of current problems and theo in accounting.
521–4 Business Conditions Analysis. Adaptation of the business firm to bu ness conditions as indicated by measurements, evaluations, and forecasts.
526–4 Managerial Economics. A course in the economics of the firm. E phasizes demand, costs, prices, and profits in developing a conceptual bu ness-decision framework.

530–4 **Financial Management.** A study of financial principles and practices with special emphasis on their relation to managerial planning and control.
531–4 **Financial Policies.** An evaluation of selected financial policies of corporate enterprise with emphasis on capital budgeting, on the equity and current position.
532–4 **Financial Institutions and Markets.** The principal financial institutions and markets will be studied in relation to their contribution to the effiicent operation of the individual enterprise and the total economy.
539–4 **Seminar in Finance.** Current issues and practices in business finance. Each student will select a problem for intensive exploration and report his findings to the class.
540–4 **Managerial and Organization Behavior.** Case analyses of human problems in the business organization. Application of findings of behavioral science research to organizational problems. Development of direction and leadership skills.
541–4 **Operations Analysis and System Controls.** Study of production functions of the firm. Analyses of operational inter-relations, design of planning procedures, and the application of control systems.
542–4 **History and Theory of Management.** An analytical study of the background and growth of management theory from its early beginnings to the present. Emphasis will be largely on the theory and practice of business management.
543–4 **Personnel Management.** Study of the most recent developments in personnel management. Individual reports, book reports, and survey of current professional literature form the bases of the course.
544–4 **Production Management.** Study of the production function associated with various kinds of businesses. Concern is on the integration of production with other functions of business. Analyses with focus upon managerial problems.
549–4 **Seminar in Management.** Study of contemporary theory and practice and recent trends in the field of management. Individual and group research reports.
550–4 **Marketing Management.** A managerial approach in the determination of policies employed in solving problems in marketing.
551–4 **Product Strategy and Management.** Product management and its relationships with business policies and procedures; the development of multiproduct strategies, means of developing such strategies, and the problems and methods of commercialization.
552–4 **Advanced Marketing Research and Analysis.** The development of advanced procedures, methods and theory of quantitative and qualitative analysis of primary and secondary marketing data.
553–4 **Transportation Management.** Students will be required to investigate and discuss before the seminar group such topics as intercarrier competition, rate level adjustment, financing, and public policy considerations.
554–4 **Marketing Theory.** Theory in related disciplines is considered in regard to evolving marketing theory. Evaluation of possible theory applications is emphasized.
559–4 **Seminar in Marketing.** Students select and defend, on an individual basis, problems in marketing theory, research, and policy. May be repeated once with consent of department.
580–4 **International Business Operation.** An advanced course for candidates for the Master of Business Administration degree who have a background in business administration theory and practice and who have a special interest in management at the international level.
590–4 **Independent Study.** Directed independent study in selected areas of business administration.
598–4 **Business Policies.** A decision-making frame of reference for application of functional and tool area courses to business cases. Analysis of external and internal environmental constraints on business policy formulation and administration.
599–4 to 8 **Thesis.**

Chemistry

511–4 **Intermediate Inorganic Chemistry.** Modern inorganic chemistry involv-

ing atomic structure, chemical bonds, complexes, and chelate structure chemistry of familiar and less familiar elements. 3 lecture hours per wee Prerequisite: 461b.

412–3 Inorganic Preparations. A study of several important inorganic synthese 1 lecture and 6 laboratory hours per week. Prerequisites: 235; 305b or 341c.

432–8 (4,4) Instrumental Analytical Measurements. Theory and practice instrumental analytical measurements, including spectrophotometric, electr analytical, and chromatographic methods. 2 lecture and 6 laboratory hou per week. May be taken in either sequence. Corequisite: 461b.

433–3 Intermediate Quantitative Analysis. A study of the analysis of compl materials, with emphasis on separations, functional group analysis, and i strumental applications. 2 lecture and 3 laboratory hours per week. Pr requisites: 432a or b and 461c.

438–3 Review of Analytical Chemistry. A review in depth of current analytic practices in research and industry, including fundamental equilibria, separ tions, and modern instrumental techniques; designed to update gradua students who are deficient in these areas. Prerequisite. Chemistry 433 equivalent.

446–4 Qualitative Organic Analysis. A systematic study of the separation a identification of organic compounds. 2 lecture and 6 laboratory hours p week. Prerequisite: 305b or 341c and 461c.

447–3 Quantitative Organic Chemistry. The determination of functio groups and elements commonly found in organic compounds by select methods of analysis; illustration of general methods of procedure in the fi of quantitative organic chemistry. 1 lecture and 6 laboratory hours per we Prerequisite: 305b or 341c.

451–9 to 11 (3,3,3 or 4) Biochemistry. (a) Chemistry and functions of ami acids, proteins, and enzymes. (b) Carbohydrate chemistry, function, a metabolism; biochemical energetics; citric acid cycle; oxydative phosphory tion. (c) Photosynthesis; limpid chemistry, function, and metabolism; nitrog metabolism; nucleic acid and protein biosynthesis; metabolic regulation. P requisite: 235, 305b, 341c.

455–8 (4,4) Biochemistry Laboratory. Modern biochemical laboratory te niques. (a) Isolation, purification, and characterization of constituents of l ing cells. (b) Investigations of pathways, kinetics, energetics, and regulat mechanisms related to metabolism and enzymic activity. One lecture an laboratory hours per week. Prerequisite: 451.

460–5 Principles of Physical Chemistry. A one-term course in physical ch istry designed especially for non-chemistry majors including prospective tea ers of high school chemistry. Three hours of lecture and six hours laborat per week, one hour of which will be used for special instruction. Prerequis 235, 305b, or 341c, and one year of physics or consent of instructor.

461–12 (4,4,4) Physical Chemistry. A fundamental course in physical ch istry. 3 lecture and 3 laboratory hours per week. Prerequisites: 235, 12 ho of physics, and one year of calculus. Must be taken in a,b,c sequence, each is a prerequisite for the next course in the sequence.

464–3 Introduction to Quantum Chemistry. Quantum chemistry as app to atoms and molecules. Three lecture hours per week. Prerequisite: 461 consent of instructor.

471–3 Industrial Chemistry. A survey of modern industrial chemistry and introduction to chemical research processes. 3 lecture hours per week. requisite: 305b or 341c.

472–12 (4,4,4) X-Ray Crystalography. (See Applied Science 401.)

490–2 Chemical Literature. A description of the various sources of chem information and the techniques for carrying out literature searches. 2 lec hours per week. Prerequisites: 235; 305b or 341c, reading knowledge of man or consent of instructor.

496–1 to 12 Chemical Problems. Investigation of individual problems u the direction of a staff member. Prerequisite: consent of instructor and partment chairman.

504–3 Mechanisms and Synthesis in Organic Chemistry. Examination of fundamental mechanisms and syntheses of organic chemistry. Prerequi 341c.

511–9 (3,3,3) Advanced Inorganic Chemistry. Lecture. (a) A theoretical empirical treatment of chemical bonding and molecular structure.

stematic treatment of physical-inorganic chemistry based on the principles rned in (a). The b,c sequence is not mandatory. Prerequisite: 461c.

-2 to 30 (2 to 6 per quarter) **Advanced Topics in Inorganic Chemistry.** ected topics such as kinetics of inorganic reactions, stereochemistry of rganic systems, chemistry of coordination compounds, nonaqueous solvent tems, and others. Prerequisites: 511a and consent of instructor.

-3 **Theory of Quantative Analysis.** The phenomena utilized in analytical emistry with emphasis on separation, organic reagents, and complex meth-. Lecture. Prerequisite: 433 or satisfactory field examination.

-3 **Instrumental Methods of Analysis.** Theory and practice of instrumental asurements in analysis with emphasis on commercial samples and applica-ns to research. Lecture and laboratory. Prerequisite: 432 or satisfactory d examination.

-2 to 30 (2 to 6 per quarter) **Advanced Topics in Analytical Chemistry.** ected topics such as microanalytical chemistry, absorption spectroscopy, d electroanalytical chemistry. Prerequisite: 432.

-3 **Advanced Organic Chemistry.** An advanced course covering covalent nding, structure, stereochemistry, reactions, reaction mechanisms, substituent ects, correlation of physical and chemical properties, and physical methods organic chemistry. Lecture Prerequisite: 444 or satisfactory field examina-n.

-3 **Advanced Organic Chemistry.** Continuation of Chemistry 541. Lecture. erequisite: 541.

-3 **Advanced Organic Chemistry.** Continuation of Chemistry 542. Pre-uisite: 542.

-3 to 6 **Advanced Laboratory Preparations in Organic Chemistry.** Pre-uisites: 446 and consent of instructor.

-2 to 30 (2 to 6 per quarter) **Advanced Topics in Organic Chemistry.** cialized topics in organic chemistry. The topic to be covered is announced the department. Prerequisite: 543.

-3 **Nucleic Acids and Protein Biosynthesis.** Proteins and nucleic acids. ree lecture hours per week. Prerequisite: 451c.

-3 **Carbohydrate Chemistry.** Simple sugars, oligosaccharides, and poly-charides. Three lecture hours per week. Prerequisite: 451c.

-3 **Plant Biochemistry.** Three lecture hours per week. Prerequisite: 451c.

-4 **Biochemical Mechanisms.** Molecular transformations in biochemistry terms of general mechanistic principles in chemistry. 3 lecture hours per k. Prerequisite: 451c.

-3 **Enzymes.** Advanced enzyme chemistry. 3 lecture hours per week. Pre-uisite: 451c.

-2 to 30 (2 to 6 per quarter) **Advanced Topics in Biochemistry.** Selected cs such as enzymology and physical biochemistry. Prerequisite: 451c.

-3 **Chemical Thermodynamics.** Basic methods and theories as applied to mical problems. Lecture. Prerequisites: 461c or consent of instructor.

-6 (3,3) **Quantum Chemistry.** Basic Principles. Lecture. Prerequisite: 464 onsent of instructor.

-3 **Chemical Dynamics.** Experimental description and classical theories of rate of chemical reactions; kinetic theory of non-uniform gases and its ication to reacting systems; molecular beam techniques. Lecture. Pre-uisite: 461c.

-3 **Statistical Thermodynamics.** Elements of statistical mechanics and ap-ation to relatively simple systems. Alternates with 563. Prerequisite: 562 onsent of instructor.

-2 to 30 (2 to 6 per quarter) **Advanced Topics in Physical Chemistry.** oids and macromolecules, quantum chemistry of atoms, diatomic molecules olyatomic molecules, statistical mechanics and others. Prerequisite: 561.

-1 to 3 **Graduate Seminar.**

-2 to 15 (2 to 6 per quarter) **Special Readings in Chemistry.** Assigned ry work in any of the five fiields of chemistry with individual instruction staff member. (a) Analytical, (b) biochemistry, (c) inorganic, (d) or-c, (e) physical. Prerequisites: 24 hours of 500-level chemistry and con-of chairman.

-0 to 9 **Advanced Seminar in Chemistry.** Advanced level talks presented by uate students; (a) analytical, (b) biochemistry, (c) inorganic, (d) or-c, and (e) physical chemistry. Prerequisite: consent of chairman.

596–3 to 9 Advanced Chemical Problems. Individual study and investiga in preparation for research. Prerequisite: consent of chairman.
597–3 to 15 Research and Thesis. Prerequisite: consent of chairman.
598–3 to 48 Research—Doctoral. Prerequisite: consent of chairman.
600–3 to 48 Dissertation—Doctoral. Prerequisite: 598.

Cinema and Photography

401–4 History of the Cinema. History, esthetics, and appreciation of cinema. Screening of films of representative type and historical significa Not open to students who have had GSC 349.
402–4 History of Still Photography. History, esthetics, and appreciatio still photography. Not open to students who have had GSC 348.
411–1 to 10 Workshop in Still Photography. Advanced work in special photographic techniques and applications. Prerequisite: consent of departm
429–3 Photographic Methods in Science and Technology. Photomicrosc specimen, infrared, and ultraviolet photography, high speed and time-l motion pictures, slide series production. Prerequisite: 260c, 341a.
431–1 to 12 Problems in Still Photography and Cinematography. Special ects for advanced students in still photography and cinematography. requisite: by permission.
428–3 Managing the Industrial Photographic Unit. Practices, procedures ministration, and management of typical units. Prerequisite: by permiss

Clothing and Textiles

423–4 Advanced Family Housing. (See Home and Family 423.)
431–4 Advanced Applied Design. Research problems in experimentation materials in textile design, linoleum block printing, stencilling, contempo embroidery, silk-screen printing, etc. Prerequisite: 331 or consent of chair
432–2 to 8 Workshop. Designed to aid leaders in the field with current lems. Discussion, reports, lectures, and other methods of analyzing and ing on solutions to problems. Prerequisite: consent of chairman.
433–4 Advanced Pattern Designing. Application of flat pattern design ciples to the making of patterns for garments of various designs and fa Fitting and pattern alteration related to various figure types. Production analysis. Prerequisite: 233 or consent of chairman.
434–4 History of Clothing. Development of clothing from prehistoric tim the present. Social, economic, and aesthetic background. Technical in tions that made possible its design.
440–4 Clothing the Family. Needs and wants of individuals at various dev mental stages, in family and societal settings with respect to apparel sumption; functional and fashion-motivated choice of clothing; and f budgets.
470–3 Interior Design Seminar. A study and appraisement of noted int and architecture as interpreted in selected buildings and by selected desi Prerequisite: consent of chairman.
473–4 Advanced Tailoring. The student will tailor one garment for h Time-saving methods, high-quality construction details, and profes finishes stressed. Prerequisite: 360 or consent of chairman.
474–4 Advanced Textiles. The physical and chemical analysis of textiles. lems dealing with standards, labeling, and legislation. Current literatu developments in the field. Prerequisites: 304 or consent of chairman.
481–2 to 6 Readings. Supervised readings for qualified students. Prereq consent of chairman.
500–4 Research Methods. Study of methods employed in research in clo textiles, and interiors. Critique of literature, theses, and research. Develo of research design based on interest and need of student. Prerequisite: sta or consent of chairman.
570–4 Clothing and Textiles Seminar. Selected problems within the fi clothing and textiles.
572–2 to 8 Special Problems. For students recommended by their cha and approved by the chairman of Clothing and Textiles, and the inst in charge for independent work or directed study.

-4 Foundations of Fashion. Anthropological approaches to fashion and io-economic and psychological forces as determinants of fashion in modern es. Prerequisites: 329 and 339, or consent of chairman.
-3 (1,1,1) College Teaching of Clothing, Textiles, and Interiors. Central as, objectives, and current practices. For preparation of college teachers.
-2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Design

-0 to 2 Materials and Basic Techniques. Same as 200 and 300.
f-5 to 15 Research in Product-Shelter Design. Problems dealing with large ups. All problems carried from conception to actual full-scale construction. velopment of prototype for mass-production techniques. Small research jects will be developed under grants given to the department. Prerequisite: hours of 366 or its equivalent.
g-5 to 15 Research in Visual Design. Problems dealing with room-to-eye le and larger, i.e., posters, car cards, strip film, film, exhibitions, etc. Ad- nced graphic and photographic technology. Development of prototypes for ss-production techniques. Small research projects will be developed under nts given to the department. Prerequisite: 12 hours of 375 or its equivalent.
f-2 to 12 Studio in Product-Shelter Design. Special projects developed with unct and visiting professors.
g-2 to 12 Studio in Visual Design. Special projects developed with adjunct l visiting professors.
-4 to 10 Educational Tool Systems. Designs of specialized instructional ls, including design of learning environments and ancillary support systems programmed learning.
-4 to 12 Studies in the Industrial Process. Design of products and product tems utilizing contemporary technology for solutions to significant human ds.
-4 to 12 Research in Product Design. Studies of specialized needs or prob- areas (i.e., equipment for the handicapped, needs of underdeveloped as, etc.).
-4 to 12 Studies in Communications Design. Concerned with the over-all tems of human communications, including visual and graphic media.
-4 to 12 Research in Communications Design. Specialized areas of visual graphic communication extended through various technical systems. elopment of related systems involving the whole range of communications uded.
-2 to 16 Field Study in Design. Design activity (local, national, or inter- onal) carried out with a designated faculty member as liaison. Written rt assigned and final report required. All projects must have written ap- al by the chairman and the liaison faculty member.
-4 to 12 Environmental Control. Selected studies in environ control systems, particular reference to latest technical advances (i.e., closed ecology and nomous systems developments) and to contributions in the study of an environment control by other disciplines.
4 to 12 Design Science Exploration. Procedural methodology and systems oach to comprehensive anticipatory design science.
4 World Ecological Studies. Review and analysis of man's present socio- omic situation in terms of scientific and technological trending-material energy resources, human ecology networks.
4 to 8 Structural Evolution. Structural morphology and relational hier- ies in science and technology. Differentiation and evolution of industrial complex: analysis of world service industry networks.
2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Economics

Economic and Business Statistics II. Techniques for making decisions the economic conditions are not known with certainty. 3 hours lecture; rs laboratory. Prerequisite: 307 or GSD 110, or GSD 108c, or GSD 114c, nsent of instructor.

411–4 Collective Bargaining and Dispute Settlement. Nature, issues, pr cedures, economic effects. Analysis of actual collective bargaining situatio Prerequisite: 310 or consent of instructor.
416–4 Money and Banking II. Emphasis upon the Federal Reserve System a other banking systems. Prerequisite: 315 or consent of instructor (C); 300 (E
418–4 Economic History of Europe. A survey of the economic growth Europe with emphasis upon the development of European agriculture, indu try, finance, and international trade since 1750. Prerequisite: 215, or G 211a, or consent of instructor.
419–4 Latin American Economic Development. A survey of the resource ba of Latin American economic development with special reference to the pr lems of transition from an export-import to an integrated industrial econon monetary policies; problems of economic planning. Prerequisite: 215, or G 211a, or consent of instructor.
420–4 Recent Economic History of the United States. Review and analysis the chief characteristics, trends, and continuing problems of the economy the United States in the 20th century. Prerequisites: 215.
422–4 Introduction to Economic Development. An analysis of the precon tions, processes, and problems involved in economic development. Both theory and policy relevant to development, with special emphasis upon "developing" or "emerging" economies, are stressed. Prerequisites: 215.
429–4 International Economics. Intensive treatment of the principles of int national economics with special emphasis on the classical and modern theo of international trade. Income effects. Balance of payments adjustme Prerequisites: 215 or consent of instructor.
430–4 Regional Economy. Natural economic regions, governmental action in the T.V.A.), local applications. Prerequisites: 215.
431–3 Public Finance II. State and local. Prerequisite: 330 or consent of instructor.
433–4 Inflation, Growth, and Stability. National income theory with emph on (a) the influence of government budgetary programs on the level of tional income, employment, growth, and the price level, and (b) the inst tional difficulties of formulating and executing a Federal budget progr Prerequisite: 215 or consent of instructor. Note: A student may not rec credit for both 433 and 441.
436–3 Government and Labor. (Same as Government 436.) A study of la relations and legislation considering both constitutional and economic asp Prerequisite: 205 or 215 or GSB 211c or consent of instructor.
440–4 Intermediate Micro Theory. A more intensive treatment of price the Prerequisites: 215 or consent of instructor.
441–4 Intermediate Macro Theory. Basic analytical concepts of the mo theory of aggregative income determination. Prerequisites: 205 or 214 or sent of instructor.
450–6 (3,3) History of Economic Thought. The development of econ theory. (a) Ancients to 1850; (b) 1850 to present. Must be taken in sequence. Prerequisites: 215 or consent of instructor.
460–4 Russian Economy. Development of Russian trade, agriculture, indu government, finance, and standards of living in successive periods in tion to the historical, geographic, economic, and ideological background. requisite: 215, or GSB 211a, or consent of instructor.
461–8 (4,4) Comparative Economic Development in Asia. A comparison o economies of Japan, India, and China within the framework of emer economic theory of developing economies (a) Japan from Tokugaua p to the present. (b) Contemporary China and India. Prerequisite: 21 GSB 211a, or consent of instructor.
462–4 Economic Development of the Middle East. Economic structure o countries constituting the Middle East; economic, political, social and tural forces influencing development. Prerequisites: 215.
465–4 Mathematical Economics I. A systematic survey of mathematical nomic theory. Conditions of static equilibrium (including stability conditi dynamic models using difference equations, and linear production mod input-output analysis and activity analysis (linear programming). Pre site: 440 and consent of instructor.
467–4 Econometrics I. Introduction to resource allocation under uncert Probabilistic economic models, theory of games and economic choices stochastic economic processes. Prerequisite: consent of instructor.

–4 Land Resource Economics. (Same as Forestry 471 and Agricultural lustries 471.) The use of land as an economic variable in production of ds and services; land market; group versus individual conflicts; elementary d resources planning techniques. Prerequisite: 440, or 441, or Agricultural lustries 350, or Forestry 470.

–4 Dynamic Economics: Fluctuations and Growth. A study of the causal tors which produce fluctuations in economic activity and/or growth. An ntification of the factors which affect the length of the cycle, its ampli- e and the stability or instability of equilibrium. An examination of the ories and issues of economic growth. Prerequisite: 441 or consent of in- ıctor.

–4 Comparative Economic Systems. Capitalism, socialism, fascism, and er forms of the economy. Prerequisite: 215 or consent of instructor.

–4 Workshop in Economic Education. (Same as Education 490.) Designed assist elementary and secondary school teachers in promoting economic derstanding in the minds of their students through the translation of eco- nic principles and problems into classroom teaching materials.

–4 to 8 Economics Seminar. A study of a common, general topic in the d of economics, with individual reports on special topics. Prerequisite: 206 214 and 215, or consent of instructor.

–1 to 5 Economics Readings. Contemporary books and periodicals in eco- nics. Prerequisite: consent of department.

–1 to 6 Readings in Resource Economics. (Same as Forestry 520b and icultural Industries 520b.) Directed readings in the field of resource eco- nics. Prerequisite: consent of instructor.

–4 Labor Economics. Economic principles involved in the employment re- onship. Such topics as wage theory, the labor market, employment and mployment, and the economic effect of collective bargaining are covered. requisite: 310, or 411, or consent of instructor.

–4 Monetary Theory and Policy. Current monetary theory and policy phasized. Federal Reserve policy is analyzed. Necessity for coordination monetary policy with fiscal policy and debt management operations is dis- sed. Prerequisites: 315 and 441, or consent of instructor.

–8 (4,4) Economic Development Theory and Policy. (a) Classical, neoclas- l, and modern contributions to the theory of development; theories of erdevelopment. (b) Basic approaches to economic development; laissez- e; balanced growth; unbalanced growth; role of government; methods of ning; and foreign aid. Must be taken in a,b sequence. Prerequisite: 440,

-4 Managerial Economics. (Same as Business Administration 526.) A se in the economics of the firm. Designed to develop a conceptual frame- k for business decision making with emphasis on demand, costs, prices, profits. Prerequisites: 214 and 215, or 413, or consent of instructor. Credit not be earned in both Economics 440 and this course.

-4 Foreign Trade and Finance. Emphasis on the advanced theory of in- ational trade and finance. Survey of significant literature in international ry. Study of more advanced tools of analysis. Prerequisite: 429 or consent nstructor.

4 Seminar in International Economics. Application of theory to current national economic developments. Empirical studies. Foreign economic cy. Prerequisite: 530 or consent of instructor.

4 Public Finance Theory and Practice. Historical development of public nce theories with analysis of their policy implications. Prerequisite: 330 nsent of instructor.

4 National Income Theory. Keynesian and post-Keynesian developments ational income theory. Empirical research concerned with characteristics magnitudes of important national income concepts, such as the consump- function, is examined. Recent American policies and problems bearing national income fluctuations are considered. Prerequisite: 441 or consent structor.

4 Price Theory. Designed to develop skills in the use of the analytical , including the basic mathematical techniques, used in price theory. Pre- isite: 440 or consent of instructor.

4 Seminar in Economic Policy. A consideration of departures in the rican economy from the principle of resource allocation by the price m, and an attempt to develop principles of economic policy which could

serve as guides in efforts to raise living standards and promote econon growth. Prerequisites: 440 and 441 or consent of instructor.

545–4 Oligopoly and Related Market Structures. Theories of oligopoly, d poly, and monopolistic competition. Emphasis on the problems of the construction when the participants in the market recognize their int dependence. Prerequisite: 542.

552–4 Seminar in Economic Thought. An exploration of the basic philosop assumptions which underlie the various types of economic thought with s cial emphasis upon the historical development of the premises of mod day economic theories. Prerequisite: 450a,b or consent of instructor.

555–4 Seminar in Economic History. An examination of the structural e nomic changes in various economies throughout the world. Prerequisites: c sent of instructor.

562–4 Seminar in Economic Systems. A final, theoretically-oriented exami tion of economic systems. Includes recent theoretical models; contempor changes in major economic systems; the emergence of mixed systems. lates economic, social, and political systems and evaluates attempts to pl economic systems within to context of general systems theory. Prerequis 481 or consent of instructor.

566–4 Mathematical Economics II. Linear economic models. Linear progr ming. Input-Output analysis and general equilibrium models. Prerequisite: or 465, or consent of instructor.

567–4 Econometrics II. Problems in utilizing multivariate statistical technic in the testing of complex economic models. Prerequisite: 467, 566, and Ma matics 410c or equivalent.

575–4 Economic Regulation. An analysis of the economic causes and eff of the regulation of agriculture, business, and labor. Prerequisite: 440 consent of instructor.

581–4 Economics of Welfare. The application of economic theory to the q for economic welfare. Includes consideration of income distribution, rate growth, the pricing system, and the role of government. Prerequisite: 44 equivalent.

582–4 Economic Behavior. A theoretical and empirical study of the behavi aspects of economics, including the behavior of firms, households, government. This course draws upon the recent literature of economics also, on frontier areas, upon directly relevant concepts and findings of rel behavioral sciences. Prerequisite: 440 or equivalent or consent of instru

583–4 Methodological Foundations of Economics. A systematic analysi the nature, philosophical content, premises, scope, boundaries, and chara istic methods of economics. The history of economic thought is drawn u but major focus is upon the contemporary state of the discipline as wel upon apparent methodological trends. Prerequisites: 440 and 441 or equiva

599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's gree.

600–1 to 48 Doctoral Dissertation. Hours and credit to be arranged by c man.

Educational Administration and Foundations

Students who wish to take the following courses on the Carbondale ca will need approval by the Department of Educational Administration Supervision prior to Graduate Office program approval: 420, 424, 434, 456, 500, 527, 533, 534a,b, 535, 539, 556.

431–4 History of Education in the United States. An historical study o problems of American education which have relevance to contemporary cation.

432–4 Education and Social Forces. Analysis and classification of propag Designed to show how public opinion is formed by a use of current mat from the different channels of communication. Differences between p ganda and indoctrination.

500–4 Research Methods. Introduction to educational research with pra training in research writing techniques and evaluation in education.

501–12 (4,4,4) Seminar in Educational Administration. The interdiscipl approach to the study of the theory of educational administration. Op students in approved sixth year and doctoral programs only.

–4 Seminar in Comparative Education. Educational ideas and practices various countries of the world, both Eastern and Western, and their im- t upon our culture and education.

s–4 Seminar in Comparative Education: Soviet Russia. A study of Soviet ıcation in historical, cultural, political, philosophical, and world perspective. ıphasis is on education in Communist morality and the creation of the ew Soviet Man." Includes a consideration of the challenge to American ıcation and the issue of the study of Communism in our schools.

–4 Seminar in Philosophy of Education. An interpretation of modern edu- ional problems and trends in the light of basic philosophical viewpoints. cerpts from the leading philosophical writings are used. Prerequisite: 554 equivalent.

–4 Seminar in History of European Education. A survey and interpreta- ı of education in Europe from the Greek era to the present. Stresses the ationship of European to American education.

–4 Seminar: Curriculum in Relation to American Culture. The effect of torical movements on curriculum in our nation at all ages and grade levels tinued on a more intensive basis as applied to present-day curricular terns. Prerequisite: 460 or consent of instructor.

–12 (4,4,4) The Twentieth Century and Education. Major movements in contemporary world are studied in terms of their importance for American cation.

–8 (4,4) Interdisciplinary Seminar in Educational Administration. Covers ic topics in fields related to Educational Administration. Prerequisite: con- t of instructor.

–12 (4,4,4) Internship Practicum. The study of theory and practice in ool administration pursued simultaneously by the student in cooperation ı a public school and the Department. Prerequisite: consent of the depart- it advisory committee.

–3 Workshop in Adult Education. For teachers and administrators in adult cation programs. Problems related to the adult learner, program planning, methods and materials. Prerequisite: consent of instructor.

–8 (4,4) Legal Basis of American Education. (a) Exploration of principles aw applicable to public schools and school personnel. **(b)** Illinois school Study of the legal aspects of Illinois public education with principle phasis on statutory law and its interpretation by the courts. Must be taken ,b sequence. Prerequisite: 420.

–12 (4,4,4) School Administration. Basic orientation to the field of school ministration and to the legal and extra-legal forces affecting public school ration.

–2 to 4 Current Issues in School Administration. A field laboratory course principals and superintendents.

–4 School Buildings. Various phases of physical plant design and main- nce of concern to the school administrator.

–4 School Finance. A study of the principles and issues of Public School nce. Revenues, expenditures, indebtedness, and fiscal controls are dealt .

–4 School Business Administration. Principles and practices governing agement of business affairs of a public school system.

–2 to 4 Educational Application of Electronic Data Processing.

4 Research in Problems of School Administration. An intensive course for ol principals on the theory and principles of administration.

–3 Administrator's Workshop. A special program for the consideration of inistrative problems pertinent to superintendents, high school principals, elementary school principals.

4 Community Development Through the School. Comprehensive survey e resources of a particular community: the cataloguing of material for the by the teachers of the community to help determine needed curriculum ges.

4 Contrasting Philosophies of Education. Deals both historically and con- oraneously with the ideologies which have developed from different con- s and philosophies of education. Prerequisite: 355 or Philosophy 355 or valent.

8 (4,4) School Supervision. (a) The function of the principal or supervisor e improvement of instruction. Some activities, methods, and devices for oving the effectiveness of teaching. **(b)** Seminar in educational supervi-

sion. Special research problems in supervision for advanced graduate stude Must be taken in a,b sequence.
560–4 Curriculum. Modern practices and procedures in curriculum deve ment, with attention to the professional, social, economic, and other m factors, in curriculum planning.
563–4 School Public Relations. To meet the needs of teachers, supervis and administrators, in the area of public relations. Prerequisite: consen instructor.
575–1 to 4 Individual Research. Selection, investigation, and writing of a search assignment under the personal supervision of a graduate faculty m ber in one of the following areas: (a) curriculum, (b) supervision, (c) bu ings, (d) finance, (e) school law, (f) comparative education; (g) histor education, (h) philosophy of education, (j) administration, (k) elemen education. Prerequisite: 500, approval of department adviser and consen instructor.
576–1 to 4 Readings in Administration and Supervision. Open only to vanced graduate students. Prerequisite: 501a.
589–2 to 12 General Graduate Seminar. (Same as Philosophy 589). For dents having special interests in the history of philosophy and the systen development of philosophic ideas. Prerequisite: consent of instructor.
591–2 Seminar in Social and Philosophical Foundations. Concurrent Guidance 590 as part of sequence required of all students who are begin advanced graduate study for the Doctor of Philosophy degree in educa Prerequisite: advanced standing.
592–4 Doctoral Seminar In Cultural Foundations of Education. An integr seminar in the cultural foundations of education for doctoral student education. Prerequisite: 591.
596–5 to 9 Independent Investigation. Field study required of each stu working for the sixth-year specialist certificate.
597–1 to 3, 598–1 to 3, 599–1 to 3. Thesis. Minimum of 5 hours to be cou toward the master's degree.
600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the D of Philosophy degree.

Elementary Education

401–2 to 4 Problems in Public School Reading. Requirements: attendance sessions of a reading conference, preparation of a paper showing prac applications of theory to the student's own teaching situation.
410–4 Improvement of Instruction in Arithmetic in Kindergarten-Pri Grades. Recent findings and current practices in building a basis for qu tative thinking in early childhood education. Special emphasis upon placement of content and of techniques to aid children in understandi the number system. Prerequisite: Mathematics 210.
411–4 Seminar in Instruction. To assist student teachers and in-service t ers in solving classroom problems. Involves clinical study and discussi behavioral and learning situations, with special attention to the develop of characteristics and needs of students.
413–4 Children's Literature. Emphasizes types of literature, analysis of lit qualities, selection and presentation of literature for children. Not for stu who have had English 213. Prerequisite: Guidance 305.
415–2 to 4 Improvement of Instruction in Arithmetic in the Elementary S Items to be taught, the grade placement of content, newer instructional tices and materials of instruction, and means of evaluating achievement. requisite: Mathematics 210 or consent of instructor.
430–3 Workshop in Creative Writing in the Elementary School. Techniq encouraging creative writing in the elementary school.
431–2 to 4 Education for the Disadvantaged Child. An understanding o turally disadvantaged children with emphasis on the nonurban poor. cussion of necessary adjustments of school programs emphasizing early admission, experimental background, self-concept, language developmen learning style.
433–4 Workshop in Kindergarten-Primary Education. Meets needs of in-s teachers in such areas as curriculum adjustment, remedial teaching, development, and early childhood education. No credit if student ha 333 or 390.

-4 to 8 Workshop in Elementary School Foreign Language Instruction.
-4 Problems in Reading. Practices and trends in the teaching of reading; erials of instruction in reading, particularly remedial materials; techniques materials for prevention of reading difficulties; diagnosis and remediation eading difficulties. Prerequisites: senior standing, 337. Not open to students have had 505.
-4 Workshop in Elementary School Science. Brief review of aims and hods. Emphasis upon selection and use of curriculum materials including curricular developments, planning for teaching and learning, and evalua-
-4 Teaching Elementary School Science. Study of content and methods lementary school science.
-4 Workshop in Social Studies. Material on critical areas of the world commonly emphasized in elementary social studies. Areas considered: ificant geographical concepts, Asia, Africa, Russia, and Eastern Europe. standing specialists in social science present their specialties.
-4 Parent Involvement in Education. Study of materials, techniques, and ources suitable for use by teachers in helping parents and teachers to lerstand how they can help each other in the partnership responsibilities the education of culturally disadvantaged children. Prerequisite: student hing or consent of instructor.
-4 Seminar in Psychology of Elementary School Subjects. Psychological ciples of learning applied to the mastery of materials used in elementary ol subjects. Prerequisites: 314, Guidance 305.
-2 to 3 Workshop in Economic Education in Elementary Schools. A study ewer programs stressing economic understandings of the social studies he elementary school.
-9 NDEA Institute in Reading. Emphasizes newer methods and techniques eaching reading, research findings and applications, adaptation of methods techniques to various types of pupils. Critical evaluation of new ap-aches. Prerequisite: students must be selected in advance.
-4 Readings in the Elementary School. First course in the reading se-ce. Survey of reading problems, aspects of the reading process, modern tices in teaching reading.
2 to 4 Readings in Reading. Independent reading; acquaintanceship with literature and research in reading. Conference periods. Prerequisite: 505 consent of instructor.
4 to 8 Practicum in Reading. For advanced students; teaching demon-ions and evaluations. Each student works with a group of reading dis-ty cases. Prerequisites: 521a,b, and c, and consent of instructor.
4 to 8 Seminar: Problems in Reading. Major field content seminar: Prob- and practices; comprehensive review and evaluation of research and ature. Each student pursues a problem of his own interest.
4 Organization and Administration of Reading Programs. For reading alists, principals, supervisors, consultants. Recent trends in elementary high school reading programs, providing reading instruction for total ol population, materials and equipment, in-service training, role of the ng specialist. Problems of class members are studied and discussed. Pre-isites: 461 and 505.
4 Special Problems in the Teaching of Arithmetic in the Elementary ol. A seminar course which covers important problems in arithmetic in elementary school. Variable content. Prerequisite: 415 or consent of in-tor.
4 to 12 Internship in Reading. Culminating experience for doctoral candi-. Each student supervises reading services in his own or cooperating ol. Conference periods. Prerequisites: 521a,b,c and consent of instructor.
to 4 Kindergarten-Primary Practicum. Practical applications of ad-d theory in the Laboratory School. Readings and research related to al problems in the kindergarten-primary classroom. Prerequisite: 8 hours dent teaching.
Supervision of Student Teachers. The function of the supervisory er in the student teacher situation. Particular attention to the problem dent teaching in the public schools. A course for present and prospective ers who wish to be more effective in dealing with student teachers.
to 4 Readings in Research—Elementary Mathematics. Independent ngs. Acquaintance with the research literature in elementary mathematics. rence periods. Prerequisites: 415, 515.

520–4 Diagnosis and Correction of Elementary Mathematics Disabiliti Causes of mathematical difficulties, observation and instrument procedur experience in preparing materials for diagnosis and for corrective purpos Prerequisite: 515 or concurrent registration.

521–12 (4,4,4) Diagnosis and Correction of Reading Disabilities. Causes reading difficulties; observation and interview procedures; standardized te instruments, and informal inventories; analysis techniques; experiences preparing materials for corrective purposes. Each student diagnoses a treats a reading disability case under supervision. Prerequisites: 505, or c current registration with 505, and teaching experience.

525–4 Kindergarten-Primary Seminar. Exploration of research literature problems in early childhood education. Each student to select problem problems and to present paper to the seminar. Prerequisite: Educational ministration 500 or equivalent.

537–4 Kindergarten-Primary Reading. A survey of problems in the devel mental reading program for the primary grades, followed by extensive st of selected problems. Prerequisite: 337 or consent of instructor.

541–4 Problems in Elementary School Science. Emphasis upon identify and planning for the solution of problems related to the science curricul and problems in the classroom concerning teaching and learning. Prerequisi 441, or 442, and Educational Administration 500.

542–3 to 4 Language Arts in the Elementary School. The practical bea of investigation and theory on the improvement of current practices in teaching of the language arts other than reading. Attention given to eva tion of teaching materials in these areas.

543–4 Teaching the Social Studies in the Elementary School. Organizatio material for teaching purposes, techniques of classroom presentation, bibl raphies or materials, use of audio and visual aids to instruction, and technic for evaluating student progress. Readings, lectures, and discussions rel to required teaching experience.

557–4 The Elementary Principalship. Designed to meet many of the partic needs of persons interested in qualifying for appointments as elemen school principals. Other than the administrative responsibilities of the mentary principal, such topics as the grouping of pupils, the elemen school's program, and personnel are studied.

558–3 to 4 Leadership in Elementary Education. A study of some newer velopments in the organization and instruction of the elementary sc Team teaching, a non-graded school, grouping and the impact of newer ricular developments.

559–4 Workshop in Instructional Leadership.

560–4 Kindergarten-Primary Education. A survey of current problems practices in early childhood education for children from four to eight y of age, with emphasis on wide reading in current research literature. requisite: consent of instructor.

561–4 The Elementary School Curriculum. A critical study of the reorga tion, construction, and administration of the elementary school curricu and the installation, adaptation, and administration of the revised curricu

563–4 Organization of the Elementary School. An analysis of types of mentary school organization with special attention to influence of s organization upon the educational program. Application of research fin to selection and use of materials of instruction. Special consideration to dent's professional problems.

570–2 to 4 Seminar, Research in Elementary Education. Critical analys the most significant research studies in organization, learning, teaching, curriculum in the elementary education.

575–2 to 4 Individual Research. The selection, investigation, and writing research topic, under the personal supervision of a member of the de mental graduate staff, in one of the following areas: (a) curriculum, (b) s vision, (c) language arts, (d) science, (e) reading, (f) social studies, problems in elementary education, (h) arithmetic, (j) problems in ki garten-primary, (k) elementary education administration and supervision

596–5 to 9 Independent Investigation. Field study required of each st working for the sixth year specialist certificate. The work should be do the setting of a school system where the student is employed or where cooperation is extended. The study involves selecting of the problem, s

pertinent literature, recording of results, and appropriate interpretations
l summarizations.
–3 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.
–1 to 48 Dissertation. Minimum of 36 hours for the Doctor of Philosophy
ree.

Engineering

–9 (3,3,3) **Principles of Propulsion.** (a) The basic principles of propulsion
amics. (b) The thermodynamics of fluid flow and application to propulsion
ines. (c) An extensive treatment of the technological problems in the design
propulsion systems. Must be taken in a,b,c sequence. Prerequisite: 300a,b,c
l 313.
–3 **Introductory Wave Motion.** Wave motion in strings, bars, and fluids.
urier methods. Electromagnetic waves. Prerequisite: Mathematics 252b.
–3 **Engineering Hydrology.** Hydrologic cycle, hydrograph analyses, infiltra-
n studies, groundwater exploration. Statistical analyses, flood routings.
chanics of entrainment, movement and deposition of sediment material
moving fluids; analysis of roughness and sediment transport rate in rivers.
requisite: 313b.
–9 (3,3,3) **Engineering Practice.** (a) Written communication encountered
engineering organizations, correspondence, memoranda, technical papers,
cifications, and reports. Lectures, conferences, and frequent written assign-
nts are adapted to the individual needs of each student. (b) The law of
tracts with enough emphasis on legal procedure to enable students to
erstand decided cases. Practice in applying some of the principles. (c)
ineering data evaluation by application of statistical techniques. Design
ngineering experiments. Prerequisite: 222 and Mathematics 252a.
–6 (3,3) **Intermediate Mechanics of Fluids.** (a) Application of the basic
s of nature to the theory of fluids using the continuum approach. Kinema-
of fluid motion using various coordinate systems; and continuity equation.
amics of viscous fluid motion; the Navier-Stokes and Energy equations.
utions to the fundamental system of equations. (b) Introduction to mag-
fluid-mechanics. Vorticity, stream functions, and the velocity potential.
Euler and Bernoulli equations. Incompressible irrotational flows; methods
singularities and conformal mapping. The compressible flow equations.
st be taken in a,b sequence. Prerequisite: 313a,b, Mathematics 305a.
-9 (3,3,3) **Principles of Water Quality Control.** (a) Analysis and treatment
water, sewage and industrial wastes. Laboratory. (b) Thermodynamics,
l dynamics, and engineering unit operations and processes for the treat-
t of water and wastewaters. (c) Biology and biochemistry applied to the
ysis and treatment of water and wastewaters. Prerequisite: Chemistry
and consent of instructor.
-6 (3,3) **Air Pollution Control.** (a) Introduction to emission sources, trans-
diffusion, and effect of air pollution. Aspects of social, meteorological,
gical, physiological, and chemical relationships plus control methods and
nomics included. Laboratory. (b) Engineering control theory, procedures,
equipment related to particulate and gaseous emissions control. Source
atmospheric sampling, and analytical techniques covered. Laboratory.
3 **Dynamics of Compressible Fluid Flow.** Fluid dynamics and thermo-
amics applied to compressible fluid flow. One and two dimensional sub-
c and supersonic flows. The method of characteristics; shock wave theory
gn and other selected topics. Prerequisite: 300b and 313.
9 (3,3,3) **Transport Phenomena.** (a) Mechanism of heat, mass and
entum transport on both molecular and continuum basis. Estimation of
sport properties. Generalized equations of transport in one or three
nsional system. (b) Interphase transport in isothermal and nonisothermal
ems. Unsteady state transport problems in multicomponent systems.
hanism ration analysis. Analogy of mass, heat, and momentum transfer.
Macroscopic balances, diffusion operations, penetration theory, simul-
ous mass and heat transfer, equilibrium operations. Prerequisite: 302a
313b.
4 **Operations Research and Mathematical Model Formulation.** Applica-
of digital computers to the mathematical modelling of physical systems

with particular emphasis on the simulation and problem solving techniq of operations research. Dynamic models of transportation, allocation, and placement. Physical applications and computation techniques related to theory of games. Prerequisites: 222 and Mathematics 150b or consent instructor.

423–3 Hybrid Computation. The simultaneous use of the analog and digital computer for the solution of engineering problems. Scaling of proble Block diagrams and logic are stressed. Linear and nonlinear differential eq tions. Simulation as well as iterative analog computation are covered. I requisite: Engineering 222 or Mathematics 225.

430–2 to 8 Special Problems in Industry and Technology. Special opportu for students to obtain assistance and guidance in the investigation and solu of selected technical problems. Prerequisite: consent of instructor.

431–6 Analog and Digital Computer Design. Introduction to the desig analog and digital computers. Subject includes: operational amplitiers, r tiplying circuits, regulated power supplies, 3 column algebra, switching cuits, memory devices. Prerequisite: 435a.

432–3 Analog Computation in Engineering Design. An introduction to theory and operation of an analog computer. Applications to enginee design. Simulation, optimization. Prerequisite: Mathematics 305a.

435–9 (3,3,3) Electronics. (a) Introduction to electronics for all student engineering. **(b,c)** Semiconductor devices; equivalent circuits; tranistor cir analysis and design. Prerequisite: 331b.

436–3 Control Theory. Develops and makes use of the students' knowl of electrical systems. Topics include Laplace transforms, stability conditi compensation techniques, and state variables. Prerequisite: 331b.

437–4 Microwave Theory and Measurements. Theory of passive microv devices for guiding, storing, coupling, or radiating electromagnetic ene Theory of active and non-linear devices including klystrons, circulators, isolators. Microwave measurements. Prerequisite: 331c.

439–6 (3,3) Transient Analysis. Linear electrical and mechanical netw studied by means of the Laplace transform. Nonlinear networks are anal using the analog computer and phase plane techniques. Prerequisite: Mathematics 306b.

440–6 (3,3) Structures. (a) Analysis of statically determinate and stati indeterminate structures. Deflections. Slope deflection. Moment distribu Model analysis. **(b)** Principles of structural design. Loads. Influence diagr Factor of safety. Structural materials. Structural requirements. Type structures and their behavior. Must be taken in a,b sequence. Prerequi 311a,b.

441–3 Intermediate Mechanics of Vibrations. Equations of motion appli systems with free and forced vibrations, damping, and multiple-degre freedom; Euler's equations; introduction to Lagrange's equations and or mechanics. Prerequisite: 260c and Mathematics 305a.

442–4 Structural Design-Metal. Rational, empirical, and practical basi design of metal structures with emphasis on structural steel and alumi Behavior of members and their connections. Prerequisite: 440a or conse instructor.

443–9 (3,3,3) Engineering Design. Projects of a research design or dev ment nature. The student will select a problem, develop the theory solution, check the theory experimentally, analyze the data, and com the results. The project can be from one to three quarters in length. oratory. Must be taken in a,b,c sequence. Prerequisites: 300, 311, 331 and senior standing.

444–4 Design of Reinforced Concrete. Ultinate strength and behavior inforced concrete members. Prerequisite: 440a,b.

446–6 (3,3) Energy Conversion. Theory of energy conversion devices processes. Conventional rotating machines, and direct energy conversio vices such as photovoltaic, thermoelectric, and thermiontic generators, cells, and magneto hydrodynamic generators. Present development an plication, future potential. Prerequisite: 300b and 331c.

447–4 Advanced Mechanics of Materials. Stress and strain at a point in dimensions. Introduction to the theory of elasticity. Sheer center u metrical bending; curved beams; elastic foundations; thick walled cyli theory of failures; energy methods. Prerequisite: 311a,b or Engineering nology 311a,b or equivalent.

448–4 Experimental Stress Analysis. Theoretical and experimental meth

etermining stresses and strains; use of optical, electrical, and mechanical nstrumentation; relation of modeling and prototype; brittle coating; electrical esistance gages; photo-elasticity. Prerequisite: 311a,b or Engineering Technology 311a,b or equivalent.

49–3 **Advanced Dynamics for Engineers.** Kinematics and kinetics of three-imensional motion; coriolis' acceleration; rigid body motion; central force notion; gyrodynamics; generalized coordinates; Euler's equations of motion; agrange's equations. Prerequisite: 260c.

50–4 **Fundamentals of Reactive Systems.** Chemical processes, stoichiometry, roperties of gases, solution chemistry, modern techniques of analysis, surface nemistry. Non-ideal systems, rates and mechanisms of industrial processes. nstrumentation and process control. Laboratory. Prerequisites: 300a and hemistry 111b,c, or consent of instructor.

55–3 **Engineering Geology.** (Same as Geology 455.) Engineering problems ncountered by man in dealing with geology and ground water. It will include udies of earthquake effects, land subsidence, landslides, pore water pressures, nd methods of coping with these. Field trip required. Prerequisite: Geology 20 or consent of instructor.

52–6 (3,3) **Matrix Methods in Structural Analysis.** (a) Introduction to matrix gebra. Matrix force method. Stiffness matrix method. Matrix displacement ethod. Computer analysis of trusses and frames. Moment distribution. (b) ntroduction to undamped and damped vibrations. State and transfer matrices vibration analysis. Miscellaneous applications. Prerequisites: 440 or consent instructor.

53–6 (3,3) **Introductory Instrumentation.** Strain gages, bolometers, diffrac-on gratings. Electromagnetic techniques. Chemical techniques. Spectroscopy. hotoelasticity. Signal sensing and data handling. Recording systems. Trans-ucers. Prerequisite: 413, 435a; Mathematics 252b.

60a,b,c (3,3,3) **Engineering Process Design.** (a) Design of process equipment. pplication of the fundamentals of conduction, convection, and radiation heat ansfer. Combined mode and transient heat transfer. Design of equipment sing simultaneous heat and mass transfer. (b) Design of process equipment. pplication of the fundamentals of diffusion and mass transfer operations. ulticomponent systems and stagewise operations. (c) Original design of a ocess and determination of process variables and equipment. Analysis of nstruction cost. Prerequisite: 313a, 300a,b.

90–3 **Convection Heat Transfer**. Forced convection momentum and heat ansfer in tubes and over external surfaces. Laminar flow and turbulent flow. rerequisite: 420a, 431a, or consent of instructor.

91–3 **Radiation Heat Transfer.** Fundamentals of thermal radiation for diffuse nd specular-diffuse systems. Applications to engineering systems. Prerequisite: athematics 305.

92–3 **Conduction Heat Transfer.** Principles of conduction heat transfer with nphasis on applications to engineering systems. Steady state and transient nduction using classical methods and numerical and analog computation.

93–6 (3,3) **Heating and Cooling Systems.** (a) The applications of heating nd cooling to engineering systems. (b) The design of various systems, in-uding automatic controls. May be taken in any sequence.

0–9 (3,3,3) **Electromagnetic Fields.** Static boundary value problems; con-rmal transformation; Schwartz-Christoffel transformation; harmonics; ap-ication of Maxwell's equations to plane waves in dielectrics and conductors, ntennas, and radiation. Prerequisite: consent of instructor.

1–6 (3,3) **Quantum Electronics.** An introduction to quantum theory with pplications taken from the field of electronics. A study of plasmas, fusion, omic structure, superconductivity from a theoretical engineering view. Pre-quisite: consent of instructor.

2–8 (4,4) **Continuum Mechanics.** (a) Definition of a tensor. Tensor algebra, ecial tensors, tensor derivatives, differential geometry, kinematics and dynam-s. Tensor quantities in continuum mechanics, stress, strain. (b) Measures of ress and strain. Equations of equilibrium, constitutive equations, compat-ility equations. Strain energy functions, linear theory of classical elasticity, ecial examples, stress functions and general four-function method. Pre-quisite: Mathematics 305.

3–3 **Mechanics of Viscous Fluids.** The complete system of equations for minar flow of a viscous fluid using the continuum approach, the stress and tes-of-deformation tensors, exact solutions to various boundary value prob-ms, creeping motion, boundary layer theory, introduction to hydrodynamic

stability, Orr-Sommerfeld equations, statistical theories of turbulence. Pr requisite: 413a,b or consent of instructor.

514–3 Mechanics of Inviscid Fluids. A study of stream functions, the veloci potential, Euler equations, Bernoulli equations, various solutions to Laplac equation, added masses, Taylor theorem, Blasins and Legally theorems, tw dimensional irrotational flows, Cauchy-Riemann equations, conformal mappir vortex flow, thin airfoil theory, and free-streamline flows. Prerequisite: 413a or consent of instructor.

515–3 Wave Motion in Fluids. A study of surface waves in liquids, gro velocity and dispersion, shallow water waves, wave makers, sound waves, t method of characteristics, waves in a gas of variable density, shock wav waves in a rotating fluid. Prerequisite: 413 a,b or consent of instructor.

516–8 (4,4) Water Resources Development. (a) Engineering aspects porous reservoir systems. Solid reservoir structure. Porous medium physi Description of reservoirs. Reservoir fluids including physics and chemist of water and hydrocarbons. (b) The performance of reservoir systems i cluding reservoir flow with such topics as potential theory, well hydrauli and basin-wide interactions.

517–12 (4,4,4) Analysis and Design of Engineering Systems. (a) Applicati of general system concepts to wide range of physical and engineering process Emphasis on variable flow of matter, energy, entropy, and information rected toward predicting performance for specified designs. Introduction central theme of functional reticulation into multiported elements. Systema study of relations and interactions in terms of logical operations, transform tions, matrices, ordinary and partial differential equations, signal flow grap block and bond diagrams, analogies, and computing systems. Lectures a problems work cover electrical, mechanical, fluid, thermal, chemical, nucl and biological systems. (c) Emphasis on the synthesis and design of syste assembled from multiported primitives to accomplish specific tasks and fu tions. Particular attention given to the use of analog and digital comput as electronic models for studying alternative designs and modes of operati Lectures and problems dealing with stochastic processes and variables in b frequency and time domains, and with stationary and nonstationary rameters. Substantial portion of time allotted to original studies on a te basis using available electronic computers. (c) Advanced engineering syste designs. Prerequisite: graduate standing.

518–3 Introduction to Turbulence. Application of the basic equations of m tion to turbulent flow problems. Introduction of the correlation concept al with the macro- and micro-scale of turbulence. Isotropic turbulence. Meth and techniques used in the experimental study of turbulence. Prerequis 413a,b or consent of instructor.

519–3 Boundary Layer Theory. Boundary layer equations. Laminar and t bulent boundary layers. Classical turbulent flow theories. Two and three mensional wake and jet flows. Prerequisite: 413a,b or consent of structor.

520–6 (3,3) Reaction Engineering and Rate Processes. (a) Chemical kine of homogeneous and heterogeneous reactions. Kinetic theories, mechanism mathematical modeling. Interpretation of kinetic data. (b) Introduction reactor design. Ideal reactors for batch and flow system. Design for multi reactions. Temperature and pressure effects. Nonisothermal and nonadiab processes. Prerequisite: 420 or consent of instructor.

522–3 Advanced Topics in Operations Research. Linear programming c putational techniques and their applicability to particular operations resea models. Topics include the approximation methods, forecasting and optim tion techniques, constrained and bounded problems. Problem solution by of a digital computer is emphasized. Prerequisite: 422.

525–3 Small Particle Phenomena. Small particle formation, behavior, p erties, emission, collection, and analysis. Includes atomization, combust transport of suspensions, filtration, light scattering. Prerequisite: gradu standing.

530–6 (3,3) Separation Processes and Equilibrium Operations. (a) Pl equilibrium, multistage calculations in concurrent and counter-current op tions, graphical methods, unsteady state stagewise operations. (b) M component systems, solution chemistry, nonideality in phase equilibrium, separation processes, applications in processing industry. Prerequisite: sent of instructor.

535–6 (3,3) Network Analysis and Synthesis. Advanced analysis and synth

electrical networks. Driving point impedance and transfer functions; propies and testing of positive real functions; Hurwitz polynomials; Foster's and uer's driving point synthesis of RL, RC, LC networks. Synthesis using thods of Brune, Bott and Duffun, Darlington, approximation problems and hniques, two part synthesis for ladder lattice and constant resistance filters, tterworth and Chebyshev filters. Prerequisite: consent of instructor.

2–3 Theory of Plates. Analysis of bending, buckling, and vibration of plates various shapes; slabs and membranes; complex variables method; linear and n-linear behavior; refined theories; theory of bending of anisotropic and nhomogeneous plates. Prerequisite: Mathematics 305, or 407, or consent of tructor.

)–3 Elastic Stability. Bending of bars under simultaneous action of axial d lateral loads; buckling of compressed bars, frames, rings, and tubes; eral buckling of beams; torsion of I beams; buckling of thin plates. Preuisite: Mathematics 305, or 407, or consent of instructor.

1–4 Plastic Analysis of Structures. Methods of analysis, elastic-plastic demations, general loading, and direct procedures of design. Two lectures r week covering the basic principles. Independent study. Prerequisite: 311a,b.

1–6 (3,3) Advanced Vibrations. **(a)** Emphasis on nonlinear vibrations. Topics include phase plane, nonlinear conservative systems, problem of rotating ndulum limit cycles of Poincore', van der Pohl equation, method of isoclines.) Liapounov stability criteria, bifurcation theory, perturbation methods, nost periodic oscillations, asymptotic methods for autonomous and nontonomous systems. Prerequisite: Engineering 461, Mathematics 305a,b.

)–2 to 6 Special Investigations. (Same as Applied Science 570.)

)–1 to 9 Seminar. (Same as Applied Science 580.)

)–1 to 9 Thesis.

Engineering Technology

3–9 (3,3,3) Photogrammetry. **(a)** Principles and practice of terrestrial and ial photogrammetric mapping, including planning flights, control surveys, controlled mosaics, radial-line control, simple stereoplotting instruments, allel distortions, graphical tilt determination, trimetrogen charting, and nomics. **(b)** An advanced study of photogrammetic principles including ntrolled mosaics, rectification, graphical, mechanical, and analytical space entation. Readings and reports from current technical literature. The nciples of many photogrammetric plotters are studied together with economic relation of these instruments to density of field control, office methods, l personnel. **(c)** A study of the soil and rock areas of the United States l the patterns present in aerial photographs. Fundamental elements of l patterns are analyzed to permit determination of materials present and ir properties. Emphasis is placed on photo interpretation for engineering l regional planning purposes. Laboratory. Prerequisite: 363a or consent instructor.

)–2 to 8 Special Problems in Industry and Technology. (Same as Applied ence 430.)

7–9 (3,3,3) Industrial Electronics and Communications. **(a)** Design of tching networks, impedance admittance locus diagrams, transmission line ations, transmission line charts, stub matching. **(b)** Electromagnetic fields rectangular and circular wave guides, microwave techniques, antennas. **(c)** ified treatment of various types of transmission systems with emphasis on role of system bandwidth and noise in limiting the transmission of information. Prerequisite: 303.

)–8 (4,4) Design and Analysis of Industrial Organizations and Productivity. se studies of industrial production methods and the process of industrial cision making; determinants of manpower utilization; transfer and processof information; determinants of productivity levels. Prerequisite: consent instructor.

–8 (4,4) Industrial Safety (same as Industrial Education 465). **(a)** Basic damental principles of industrial accident prevention; significant accident tistics and costs; appraising safety performances, industrial plant hazards l safeguards; fire control fundamentals. **(b)** Effective industrial safety anizations, management and supervision; industry safety psychology; safety ining programs; industrial hygiene programs; health safeguards; occupanal diseases and other industrial hazards.

507–4 Industrial Quality Control. Study of quality control charts, techniqu procedures and methods. Theories of measurements, error, predictions, sa pling, tests of significance, replacement models, and inventory servicing.
526–9 (3,3,3) Surveying and Photogrammetry. (a) Advanced engineeri measurements. Measurement systems; analysis of errors and error propag tion; adjustment of condition measurements by the method of least squar and other methods. Prerequisite: consent of instructor. (b) Geodesy. Stu of the effect of curvature of the earth on surveying methods and calculatio figure of the earth; isostasy; magnetic properties of the earth; satellite geodes precise methods of surveying and leveling. (c) Land surveying and m projections. The theory of map projections; state coordinate systems; Unit States Public Land Systems; legal aspects of property boundaries; mode subdivision methods. Prerequisite: consent of instructor.
527–9 (3,3,3) Transportation and Highway Engineering. (a) Traffic engine ing. City and highway traffic surveys and designs. Accidents, congestion, dela speed, volume, density, parking, channelization, lighting, traffic control, a routing. Signs signals, and markings. Urban traffic consideration in c planning Driver habit patterns and reactions. (b) Airport design. Proble encountered in planning, design, construction and maintenance of large a ports. (c) Advanced Highway Engineering. Highway planning and economi geometric design, bituminous materials. Soil stabilization. Prerequisite: co sent of instructor.
540–8 (4,4) Design of Man-Machine Systems. The mathematical modeling man-machine systems, optimizing of control mechanisms and of output, e nomic analysis for product choice, use of linear programming and queui procedures in product forecast analysis.
570–2 to 6 Special Investigations. (Same as Applied Science 570.)
580–1 to 9 Seminar. (Same as Applied Science 580.)
599–1 to 9 Thesis.

English

400–4 Introduction to Structural Linguistics. Methods of structuralizing: pl netics, phonemics, morphemics, syntax. Especially recommended for stude preparing to teach English to native speakers.
402–4 Old English Literature in Translation. A study of prose selections fr Bede, Aelfric, and other writers, and of poetry from the simplest riddles a gnomic verses to the complex forms of the Caedmonic and Cynewulf schools, the elegaic poems, and **Beowulf.** Emphasis is on the literary a cultural significance of works studied.
403–4 History of the English Language. A survey of the development of language from Indo-European to modern English with special emphasis Middle and Early Modern English changes.
404–12 (4,4,4) Middle English Literature. (a) Middle English literature cluding Chaucer; (b) Chaucer: early poems and **Troilus;** (c) Chaucer: **Cant bury Tales.** May be taken singly.
405–8 (4,4) Descriptive Linguistics. (a) Structural phonology: survey of p nological theory (phonemic and distinctive feature theory); examination various phonological systems. (b) Introduction to transformational generat grammar: the basic concepts and formalism of transformational generat grammars. Prerequisite: 400 and 407a, or consent of instructor.
406–4 English Phonology. An analysis of spoken English, American and B ish. Prerequisites: English 400 or its equivalent.
407–8 (4,4) Articulatory Phonetics. (a) Introduction: mechanics, proces Laboratory work: transcription, production, perception. (b) Phonetic the linguistic phonetics.
412–16 (4,4,4,4) English Nondramatic Literature. (a) 16th century, (b) 1 century, (c) The Augustan Age, 1660–1744, (d) The Age of Johnson, 17 1798. May be taken singly.
418–4 English Literature, 1885–1914. Poetry, drama and fiction of the l Victorian and early modern period.
420–8 (4,4) American Poetry. (a) Trends in American poetry to 1900 v a critical analysis of the achievement of the important poets, (b) the portant poets since 1900. May be taken singly.
421–16 (4,4,4,4) English Poetry. (a) Early Romantics: major emphasis general background and on Blake, Coleridge, and Wordsworth; (b) l

Romantics: emphasis on Byron, Shelley, and Keats, the minor figures; (c) Victorian poets: Tennyson, Browning, Arnold, and other poets of England, 1830–1900; (d) modern British poets. May be taken singly.

425–4 **Modern Continental Poetry.** Representative poems by the major 20th century poets of France, Italy, Germany, Spain, Russia, and Greece.

431–12 (4,4,4) **Major American Writers.** Significant writers of fiction and nonfictional prose from the Puritans to the 20th century: (a) 1620–1800, (b) 1800–1865, (c) 1865–1915. May be taken singly.

438–4 **Intellectual Backgrounds of American Literature.** The relationship of basic ideas in America to American literature.

442–4 **Romantic Prose.** Fiction of Austen Scott, Mary Shelley, Peacock, the Gothic novelists; prose of Lamb, Landor, Hazlitt, DeQuincey; criticism, journals and letters.

443–4 **Victorian Prose.** The chief writers of nonfictional prose from the late Romantics to 1880.

447–4 **American Humor and Satire.** A consideration of the writers and forms of 19th and 20th century humor.

454–12 (4,4,4) **English Fiction.** (a) 18th century: Defoe through Jane Austen, (b) Victorian novel: 1830–1880, (c) 20th century. May be taken singly.

456–4 **Modern Continental Fiction.** Selected major works of European authors such as Mann, Silone, Camus, Kafka, Malraux, Hesse.

458–8 (4,4) **American Fiction.** (a) The novel in America from its beginning to the early 20th century, (b) trends and techniques in the American novel and short story since 1914. May be taken singly.

460–16 (4,4,4,4) **British Drama.** (a) Elizabethan drama: from the beginning of the drama in late Middle Ages through its flowering in such Elizabethan playwrights as Greene, Peele, Kyd, Marlowe, Heywood, Dekker, but excluding Shakespeare; (b) Jacobean drama: the Jacobean and Caroline playwrights: Jonson, Webster, Marston, Middleton, Beaumont and Fletcher, Massinger, Ford, Shirley; (c) Restoration and 18th century drama: after 1660, representative types of plays from Dryden to Sheridan; (d) Modern British drama.

464–4 **Modern Continental Drama.** The continental drama of Europe since 1870; representative plays of Scandinavia, Russia, Germany, France, Italy, Spain, and Portugal.

468–4 **American Drama.** The rise of the theater in America; with readings of plays, chiefly modern.

471–8 (4,4) **Shakespeare.** (a) The plays before 1600. (b) The plays of 1600 and later. Readings on the life of Shakespeare, the theater, and the acting companies. May be taken singly.

473–4 **Milton.** Reading of **Paradise Lost, Paradise Regained, Samson Agonistes,** minor poems, major treatises.

485–4 **Problems in the Teaching of English.** Aims, methods, materials, tests, programs, and other aspects of English instruction in the high school.

486–2 to 8 **Workshop in High School English.** Intensive study in lectures, laboratory, and conferences, on the teaching of English in high school. Curriculum, materials, methods, aims.

487–2 to 8 **Workshop in Junior High School English.** Intensive workshop study in lectures, laboratory, conferences on the teaching of English in junior high school. Curriculum, materials, methods, and aims. Directed by competent authorities in the field.

492–8 (4,4) **Professional Writing II.**

494–4 **Literature in Society.** An analysis of the structure and function of literature as a social institution.

495–8 (4,4) **Literary Criticism.** (a) History of criticism: ideas and techniques from Aristotle to the end of the 19th century, (b) modern criticism: recent critics and critical attitudes, and practice in writing criticism. Open only to seniors and graduate students.

497–12 (4,4,4) **Senior Honors Seminars.** (a,b) Topics will vary yearly. (c) Honors readings. Enrollment restricted to undergraduates. Departmental approval required.

499–2 to 6 **Readings in English.** For English majors only. Departmental approval required. No more than four hours may be taken in any one quarter.

500–2 **Materials and Methods of Research in English.** The principal tools of literary scholarship and the more important studies and journals. Practice in the preparation of selective bibliographies and scholarly reports.

501–4 **Old English Grammar.** The development of the forms, the grammar, and readings.

502–4 Beowulf. Readings of the poem and study of its form, language, and history. Prerequisite: 501.
504–8 (4,4) Advanced English Grammar. (a) Application of transformational generative theory to study in depth of English syntax. **(b)** Generative phonology: the application of generative theory to the study of phonology. Prerequisite: 405a,b.
505–8 (4,4) Contrastive and Historical Linguistics. (a) Comparison of the structure of English with the structure of other languages. **(b)** Historical linguistics: theories and methods in the study of the history and pre-history of languages and language families. Prerequisite: 400.
506–4 Old Norse.
508–4 to 12 Studies in Chaucer.
509–4 to 12 Studies in Middle English Literature.
511–4 to 12 Studies in the Renaissance.
513–4 to 12 Studies in 17th Century Literature.
514–12 to 24 Studies in Restoration and 18th Century Literature. (a) Restoration literature. **(b)** Early 18th century literature. **(c)** Later 18th century literature.
518–4 to 12 Studies in English Literature, 1885–1914.
519–4 to 12 Studies in Contemporary British Literature.
520–4 to 12 Studies in Romantic Writers.
521–4 to 12 Studies in Victorian Poetry.
524–4 to 12 Studies in the Metapyhsical Poets.
532–4 to 12 Studies in American Transcendentalism.
534–4 to 12 Studies in Early 19th Century American Writers.
536–4 to 12 Studies in Later 19th Century American Writers.
537–4 to 12 Studies in 20th Century American Writers.
538–4 to 12 Problems in American Literature.
540–2 to 8 Studies in Linguistics. Selected topics in theoretical and applied linguistics. Prerequisite: 400 or equivalent, consent of instructor.
543–4 to 12 Studies in Victorian Nonfiction Prose.
555–4 to 12 Studies in the Victorian Novel.
560–4 to 12 Studies in Renaissance Drama.
566–4 to 12 Studies in Shakespeare.
569–4 Seminar in Special Problems of English as a Foreign Language. Independent study in preparing and testing of instructional materials for the teaching of English as a foreign language. Restricted to English as a Foreign Language students.
579–4 to 16 Studies in Modern Literature.
580–4 Traditional Themes. Persistent themes and legends in literature—King Arthur, Faust, Utopia, and the like.
581–12 (4,4,4) Problems in High School English. (a) Composition. **(b)** Linguistics. **(c)** Literature.
585–2 Teaching College Composition. Objectives, methods, and materials for the course; observation; and practice under supervision.
588–9 (3,3,3) Methods of Teaching English as a Foreign Language. (a) Classroom techniques, (b) laboratory methods, **(c)** preparation of materials. Restricted to English as a Foreign Language students and must be taken in a,b,c sequence.
594–8 (4,4) Studies in Literary Form and Symbolic Action.
596–4 Stylistics. Defines style and its workings throughout literary history; applies the methods of modern analyses to literary works in English, shows how natural and artificial modes (genre and period definitions, metre, etc.) relate to literary artifacts and to the situation of the work of art vis a vis the civilization that engendered it.
597–2 to 6 Readings in Linguistics. Individual readings in linguistics under guidance. Prerequisite: 400 or equivalent; consent of department.
598–1 to 6 (1 to 3, 1 to 3) Review of English and American Literature. Restricted to master's degree students.
600–1 to 48 Dissertation.

Finance

421–4 Management of Business Finance. The principal problems of managing the financial operation of an interprise. Emphasis upon analysis and solutions of problems pertaining to policy decisions. Prerequisite: 320.

422–4 Advanced Financial Management. The development of ability to use sophisticated analytical tools by the discussion of case situations dealing primarily with capitalization, return on investment, and cost of capital. Prerequisite: 421.

430–4 Business Finance. An introductory course combining both a description of the structure of business financing and an analysis of functional finance from a managerial viewpoint.

473–4 Business in its Legal Environment. Social and economic assessment of environmental factors influencing business policies and strategies. Emphasis is placed on legislation affecting competition and allocation of the firm's products and resources. Prerequisite: senior standing.

475–4 Budgeting and Systems. Aids in coordinating and directing business operation.

Food and Nutrition

420–3 Recent Developments in Nutrition. Critical study of current scientific literature in nutrition. Prerequisite: 320 or equivalent. Offered alternate years.

421–3 Recent Trends in Food. Critical study of current scientific literature in food. Prerequisite: 320 or equivalent. Offered alternate years.

481–2 to 4 Readings. Supervised readings for qualified students. Prerequisites: 320 or consent of instructor and department chairman.

490–3 Nutirition and Growth. Lectures, readings, and discussion on nutrition in relation to human growth. Prerequisite: 320 or equivalent. Offered alternate years.

500–4 Research Methods. Study of methods employed in research in food and nutrition. The development of a research design selected on the basis of the interest and need of the student. Field trip. Prerequisites: 420, 421, or equivalent and statistics. Offered alternate years.

515–1 to 6 Seminar. Participation of staff and students in reporting and discussing research papers, research in progress, and current professional meetings. Required for all graduate majors in Food and Nutrition, one credit per quarter. Prerequisite: 420 or 421.

520–3 Advanced Nutrition. The biochemical and physiological basis of the metabolism of nutrients; current concepts. Prerequisite: 420 or equivalent. Offered alternate years.

556–4 Advanced Experimental Foods. Individual problems in food research and interpretation of pertinent literature. Prerequisite: 356, or 500, or equivalent. Offered alternate years.

572–2 to 8 Special Problems. For students recommended by their adviser and approved by the head of the department and the instructor in charge for independent work in directed study.

599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree. Registration with approval of instructor.

Foreign Languages

The following courses do not fall within the normal pattern of courses leading to advanced degrees:

561–0 French for Graduate Students.
561–0 German for Graduate Students.
561–0 Russian for Graduate Students.
561–0 Spanish for Graduate Students.

The purpose of these courses is to help graduate students prepare for proficiency examination as requisted by the Graduate School for the Doctor of Philosophy degree. No prerequisite. Students must register for these courses and are advised to take them as part of, and not in addition to, their graduate program.

FRENCH

501–9 (3,3,3) French Literature of the 17th Century. (a) Tragedy: Corneille and Racine. (b) Comedy: Moliere. (c) Non-dramatic Literature.

502–6 (3,3) Contemporary French Novel. (a) Major themes, forms, and techniques in the novel with particular emphasis on Gide, Proust, Malraux, Sartre, Camus, and Robbe-Grillet. (b) A study of the dramatic masterpieces of Giraudoux, Claudel, Anouilh, Sartre, Camus, Ionesco, and Beckett with respect

to structure, technique, themes, and language. May be taken out of sequenc Prerequisite: 354, 397.
403–9 (3,3,3) French Literature of the 18th Century. (a) Theater. (b) Nove (c) Philosophic and Didactic Literature.
408–4 French Civilization. Society, culture, social institutions, and the arts contemporary France. Lectures, slides, discussions. Prerequisite: 350, or co sent of instructor.
409–3 French Romanticism in the Drama, Novel, and Poetry. Prerequisit 354, 397.
419–3 French Poetry from Nerval through Symbolism. Prerequisite: 354, 397
429–6 (3,3) French Novel and Theatre, 1850–1930. (a) Realism, naturalis and the reaction to these in the novel, from Flaubert through Barres. (I Realism, naturalism, and symbolism in the theatre from mid-19th Century 1930. Prerequisite: 354, 397.
453–4 Methods in Teaching Modern Foreign Languages. Survey of gene principles of second-language teaching, based upon insights of modern lingu tics and learning-psychology. Intensive practical work in classroom and la guage laboratory with teachers experienced in the student's specific langua field. Required of prospective teachers of modern foreign languages in t secondary schools. Prerequisite: concurrent or prior enrollment in a 300 le foreign language course.
461–4 French Stylistics. Writing style in French and its application to t development of skill in written expression. Advanced work in the principles French grammar and composition. Prerequisite: 350 or consent of instruct
498–3 Honors Seminar. Study of an author or a special topic. Restricted undergraduates. Prerequisite: consent of department.
499–4 Honors Essay. Individual exploration of some question, author, theme of significance within the field of French literature or language. F stricted to undergraduates. Prerequisite: 498 and consent of department.
501–2 to 6 Seminar on a Selected French Author. Intensive study of one auth May be taken a maximum of 3 times.
502–3 French Literature from La Chanson de Roland to Rabelais.
509–2 to 6 Studies in 19th Century French Literature. Selected topics, mo ments, or authors.
515–6 (3,3) Old French. (a) Intensive reading and interpretation of **Chanson de Roland.** (b) Reading of various Medieval works with linguis analysis. Prerequisite: 410 or equivalent.
516–6 (3,3) French Literature of the Renaissance. (a) Rabelais and Montaig (b) la Pleiade.
520–4 Graduate Composition and Diction. Composition based on study contemporary French authors; individual work in pronunciation and dict determined by entrance tests.
522–2 to 6 Studies in 20th Century French Literature. Selected topics, mo ments, or authors.
543–2 to 6 Research Problems. Individual research on a literary or lingui problem involving original investigation in areas not covered by semir or thesis.
536–2 Teaching French at the College Level. Prepares graduate students French for teaching at the university level. Required of all teaching assista in French. May not be counted to satisfy secondary certification requ ments.
599–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's deg

GERMAN

401–4 (2,2) Goethe's Faust. (a) The Faust legend and early Faust books plays; the genesis of Goethe's **Faust:** reading of Part I. (b) Reading of II; study of the symbolism used such as the blending of paganism Christianity and ancient Greek culture with Germanic culture. Must be ta in a,b sequence.
402–3 Advanced German Syntax. Descriptive and contrastive study of Ger syntax, with particular attention to the needs of prospective teachers.
403–3 German Ballads and Lyrics. A selective study of the foremost exam of German balladry and lyric poetry, ranging from the poetry of Klops and Burger to that of Hesse, Benn, etc. Lectures, recitations.
404–4 Weimar and Its Aftermath. German writings from the inception of Weimar Republic to the end of World War II, with special reference to

correlation existing between literary expression and social, economic, and political conditions.

406–3 The German Comedy. Comic and satirical works in German Literature, with special emphasis on the "Lustspiel" since 1800; lectures, reports.

407–2 Great German Plays of the 20th Century. Study and selective readings of outstanding stage successes; lectures, reports.

408–4 German Civilization. Intensive study of the German speaking areas of the world, with emphasis on the anthropological and sociological aspects of their respective cultures (Austrian, German, Swiss, "Reichs-deutsch," etc.); lectures, reports.

411–6 (3,3) Middle High German. (a) Grammar, and selective readings in both MHG originals and NHG translations of such epics as the Nibelungenlied and Gudrun. (b) The courtly epic poetry of such authors as Wolfram von Eschenbach, Gottfried von Strassburg, Hartmann von Aue, the lyric poetry of Walther von der Vogelweide, and didactic prose.

413–6 (3,3) German Linguistics. (a) Introduction to Comparative German Linguistics tracing relationships among German languages on the basis of phonology, morphology, and syntax. (b) History of the German language: a survey of the development of German through the Old, Middle, and High German periods; lectures, readings, reports.

497–1 to 2 Readings in 18th Century German Literature. Departmental approval required.

498–1 to 2 Readings in 19th Century German Literature. Departmental approval required.

499–1 to 2 Readings in 20th Century German Literature. Departmental approval required.

500–2 Seminar in Contemporary Literature. Intensive study of the works of representative German authors, with special reference to the correlation existing between literary expression and social, economic, and political conditions since 1900. Lectures, outside readings, reports.

501–2 to 6 Seminar on a Selected German Author. Intensive study of one author—his life, his work, and his place in the literary and cultural development of civilization. Lectures, outside readings, reports.

506–2 Romanticism I. Study of the forerunners of German Romanticism: Holderlin, Jean Paul; and the authors of Early Romanticism: the writers of the so-called "Berlin School," with special attention to their involvement and reaction to 18th century thought. Lectures, reports.

507–2 Romanticism II. Study of Patriotic Romanticism: Kleist, Arndt, Korner, Uhland, etc. and Late Romanticism: Eichendorff, Lenau, Grillparzer, Heine, Morike, etc. Lectures, reports.

509–4 (2,2) Old High German. (a) Phonology, morphology, etymology, and syntax. (b) Continued study of grammar and reading of Franconian, Bavarian, and Alemannic texts.

512–3 19th Century German Novel. German literature from the decline of Romanticsm to the end of the century. A study of trends and representative works of such authors as Keller, Fontane, Raabe, etc. Lectures, reports.

513–3 20th Century German Novel. Continuation of 512. Study of representative writers of expressionism, "Neue Sachlichkeit," etc. Lectures, reports.

514–3 Seminar in Folklore. Study of German folk literature, with emphasis on folk tales (such as Grimms' Household Tales, regional sagas, etc.), chapbooks (such as Dr. Faust, Till Eulenspiegel, etc.), folksongs (Des Knaben Wunderhorn), and folk drama. Lectures, reports.

533–3 Gothic. Historical setting and significance of Gothic; phonology, morphology and syntax; selected readings from Wulfila.

543–2 to 6 Research Problems. Individual research on a literary or linguistic problem involving original investigation in areas not covered by seminars or thesis.

544–12 NDEA Summer Institute for Teachers. Summer Institute for Teachers of German, conducted in West Germany.

599–2 to 9 Thesis.

RUSSIAN

501–8 (4,4) The Russian Novel in the Nineteenth Century. Should be taken in a,b sequence.

511–8 (4,4) Introduction to Russian Classical Literature. Gogol, Pushkin, Turgenev, Tolstoy. Should be taken in a,b sequence.

413–4 Russian Drama in the Nineteenth Century. Griboyedov, Gogol, Pushkin, and minor dramatists.
414–3 Russian Poetry from Zhukovsky to 1920. A study of Russian Poetry from Sentimentalism through Symbolism.
425–3 Soviet Literature Since 1917. A study of satirists and writers of everyday life. Constructivism and followers; Soviet literary criticism. Lectures, readings, and reports.
452–4 Advanced Composition and Conversation. Oral and written composition of a practical nature for advanced students; emphasis on study of idiomatic expressions and current usage.
500–2 Seminar in Contemporary Russian Literature. Intensive study of the works of representative Russian authors, with special reference to the correlation existing between literary expression and social, economic, and political conditions since the Revolution. Lectures, outside readings, reports are required.
501–2 Seminar on a Selected Russian Author. Intensive study of one author, his life, his work, and his place in the literary and cultrual development of civilization.
503–2 Seminar on 19th Century Russian Literature. Intensive study of the modern Russian novel as an expression of social and cultural movements. Outside readings and class discussions.
509–3 Russian Literature Through the 17th Century. A study of early Russian literature with emphasis on literature of the Kievan period. Analysis of texts and reports.
510–3 Russian Literature of the 18th Century. The Baroque period, classicism and sentimentalism. Emphasis on the classical period of the 18th century. Analysis of texts and reports.
514–6 (2,2,2) History of the Russian Language. A survey of the phonological, morphological, and syntactical changes from the period of the common Slavic to the present Russian literary language.
520–4 Russian Linguistic Structure. A structural analysis of present-day Russian with special attention to Russian syntax. Free composition on Russian authors.
543–2 to 6 Research Problems. Individual research on a literary or linguistic problem involving original investigation in areas not covered by seminars or thesis.
599–2 to 9 Thesis.

SPANISH (Iberian)

401–3 Spanish Novel of the 19th Century. Study of representative novels of Fernan Caballero, Valera, Pereda, Galdos, etc.
402–3 Spanish Drama of the 18th and 19th Centuries. Reading of representative plays of the chief dramatists from Moratin to the Generation of 1898.
403–3 Spanish Poetry. General survey of Spanish poetry from its beginning to 1900.
404–6 (3,3) Spanish Literature of the Twentieth Century. (a) The Generation of 1898. **(b)** Contemporary Novel and Essay. Main trends of the Spanish novel and essay since 1900.
415–3 Spanish Phonetics. Analysis of the sounds of Spanish and their manner of production; intonation; levels of speech; oral practice.
440–6 (3,3) The Golden Age: Drama. Plays of Lope de Vega, Calderon, Tirso de Molina, Ruiz de Alarcon, and others.
445–4 Cervantes. Don Quixote; Other works assigned as collateral reading.
475–3 to 12 General Topics in Spanish. Selected topics in literature or linguistics of special interest, for major concentrations in Spanish.
501–2 to 6 (2 per quarter) Seminar on a Selected Spanish Author. Study of one author—his life, his works, and his relationships to the literary and social currents of his time.
505–3 The Picaresque Novel. Study of the **Lazarillo,** with collateral reading of other masterpieces of this genre.
506–3 The Renaissance. Literature of the Renaissance in Spain, including the drama, the novel, the lyric poetry, and the histories of the Indies.
515–6 (3,3) Old Spanish. (a) Intensive reading and interpretation of the **Poema de Mio Cid. (b)** Reading of various medieval works with linguistic analysis. Prerequisite: 410 or equivalent.

520–3 **Seminar in Syntax.** Stylistics and grammatical analysis.
525–3 **The Spanish Ballads.** The **romance** studied as a part of the literature and folklore of Spain and the New World.
543–2 to 6 **Research Problems.** Individual research on a literary or linguistic problem involving original investigation in areas not covered by seminars or thesis.
560–4 **Spanish and Latin American Bibliography.** Bibliography and research methods in Spanish and Spanish American culture. Introduction to the use of the chief reference works in the humanities and social sciences as they deal with Spain and Spanish America.
575–3 to 12 **Advanced Topics in Spanish.** Selected topics in literature or linguistics of special interest for major concentrations in Spanish.
599–2 to 9 **Thesis.** Minimum of 5 hours to be counted toward a master's degree.

SPANISH (American)

421–3 **Survey of Modernism in Spanish American Poetry.** Study of its origins, characteristics and achievements.
422–3 **Contemporary Spanish American Poetry.** Spanish American poetry since modernism.
423–3 to 4 **The Mexican Novel of the 20th Century.** Emphasis on fiction dealing with the Revolution and related social problems.
424–3 to 4 **Gaucho Literature.** Study of the Gaucho as a social class and of the types of literature developed to portray and symbolize his way of life, attitudes and values.
426–3 **The Mexican Short Story.** Survey of the Mexican short story from Pre-Conquest to the present.
427–3 **Spanish American Drama.** Study of representative works of Florencio Sanchez, Rodolfo Usigli, Armando Moock, Samuel Eichelbaum, Xavier Villarrutia, and others.
475–3 to 12 **General Topics in Spanish.** (See Spanish—Iberian).
478–4 **Seminar in Latin American Thought.** (See Philosophy 478.)
500–2 to 6 (2 per quarter) **Seminar in Latin American Fiction.** The works of a specific novelist or group of novels on a similar theme studied as a reflection of social and cultural conditions in a country or geographical area.
535–3 **Mexican Essayists of the 19th Century.** Currents of Mexican thought in the 19th century.
538–3 **Seminar on Spanish American Poetry.** Study of the works of a single poet, of a group of poets, or of literary trends or movements.
541–3 **Seminar on Spanish American Literary Criticism.** Significant documents of literary criticism from Independence to the present.
543–2 to 6 **Research Problems.** (See Spanish—Iberian.)
560–4 **Spanish and Latin American Bibliography.** (See Spanish—Iberian.)
575–3 to 12 **Advanced Topics in Spanish.** (See Spanish—Iberian).
599–2 to 9 **Thesis.**

ROMANCE PHILOLOGY

410–4 **Romance Philology I.** Survey of phonology, morphology, and syntax changes in Romance languages in general; special attention to the developments in French and Spanish for majors in these fields.
414–4 **Romance Philology II.** Studies in syntax of Old French and Old Spanish. Prerequisite: 410 or equivalent.
416–4 **Arthurian Romance.** Readings in the Arthurian Romances of the student's major interest (French or Spanish) with reference to the genre as a whole. Prerequisite: 410 or equivalent.

Forestry

501–3 **Advanced Forest Mensuration.** Theory and practical problems in biometrics to obtain estimates of forest populations. Use of computers and other advanced techniques. Prerequisite: 363a,b or equivalent.
510–3 **Forest Management for Wildlife.** Interrelations between forest practices and game. Forest protection from mammals and birds. Emphasis is on treatment of the forest. Prerequisite: Zoology 463, forestry major, or consent of instructor.

420–4 Advanced Wood Technology. The study of wood as an industrial and structural material; the botanical, physical, chemical, and mechanical properties are discussed. The advantages and disadvantages of wood as a raw material are analyzed. Prerequisite: 320, Mathematics 111a,b or equivalent.
427–3 Mineral Nutrition of Plants.
433–4 Forest Products Industries. Raw material requirements, the processes and the products of forest industries. The past, present, and future economic status of each industry is briefly examined. Prerequisite: 320 or consent of instructor.
440–4 Ecology of Grasses and Grasslands. (Same as Botany 440.) Structure analysis and dynamics of grassland communities; structure and growth of individual species. Prerequisite: GSA 340 or consent of instructor.
450–4 Forest Park Management. Fundamentals in the management and administration of parks and recreation areas, at the metropolitan state and federal level. Includes purpose, objectives, criteria for selection, policy, management practices, and problems in providing outdoor recreation in a natural environment. Prerequisites: 350a,b or consent of instructor.
451–7 (3,4) Forest Park Plans. Fundamental and applied principles and elements involved in site, master, and comprehensive planning for outdoor recreation at the state, metropolitan, and federal level. Prerequisites: 350a,b or consent of instructor.
460–3 Forest Park Field Studies. Park conditions, visitors, and management practices in different county, state, and federal park systems in the United States. Extended field trip. Cost shared by students. Prerequisite: 350a.
465–2 Forestry Field Studies. An extended trip to study forest conditions and silviculture in different forest regions of the United States. Cost shared by students. Prerequisites: 330, 363a, 365a.
466–3 Forest Watershed Management. Effects of treatment of forested watersheds on quality and quantity of water yield. Consideration of alternative in water use and flood control. Prerequisites: 301, GSA 330, or consent of instructor.
470–8 (4,4) Economics of Forestry. **(a)** Introduction to forest economics: forestry production and investment. Prerequisite: GSB 211a. **(b)** Forestry marketing, macro-economics and planning. Prerequisite: 470a or consent of instructor.
471–4 Land Resource Economics. (Same as Agricultural Industries 471 and Economics 471.) The use of land as an economic variable in production of goods and services; land markets; group versus individual conflicts; elementary land resources planning techniques. Prerequisite: 470a or Economics 440 or Agricultural Industries 350.
475–4 Forest Management. The application of business procedures and technical forestry principles to manage forest properties for their resources and benefits. Prerequisite: 363, 365.
490–4 to 16 Practicum. Supervised practicum experience in a professional setting. Emphasis on administration, supervision, teaching, and program leadership in community, school, park and forest, institution, and other recreation settings. Prerequisite: consent of instructor.
520a–1 to 6 Readings in Forestry or Forest Recreation. Intensive consideration is given to current practices and problems in forestry. Prerequisite: consent of instructor.
520b–1 to 6 Readings in Resource Economics. (Same as Economics 502 or Agricultural Industries 520b.) Directed readings in the field of resource economics. Prerequisites: consent of instructor and 375 or equivalent.
520c–1 to 6 Readings in Forest Products or Wood Service. Advanced study of the techniques of manufacture in the wood and fiber using industries. Also advanced study of physical, mechanical and chemical properties of wood as a material. Prerequisite: consent of instructor.
570–4 Principles of Research. Research philosophy, approaches to research theory, hypotheses, inference and prediction; problem identification, project development and organization; methods of data collection, analysis and presentation; drawing conclusions and organizing results. Prerequisite: hours in statistical methods or consent of instructor.
575–1 to 6 Research. Directed research in selected fields of forestry.
581–1 to 6 Advanced Forestry Seminar. Study and discussion of contemporary forestry problems. Prerequisite: consent of instructor.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree

Geography

400–3 Geographic Methods. Designed to introduce the geographic methods of integrating physical, economic, and cultural elements in the study of areas with the emphasis placed on problem situations. Cartographic and quantitative techniques will be emphasized. Prerequisites: GSB 101a, 302, 304, 306, and consent of department.

402–10 (4,3,3) Advanced Physical Geography I. Deals with one or more of the following land forms, climate, soil, and water; depending on, and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis will be directed at familiarizing the student with techniques of analysis, and at developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 302 or consent of instructor.

403–7 (4,3) Advanced Physical Geography II. Content drawn from same broad range of topics as 402. To be alternated with 402 to enable student to specialize further in physical geography. Prerequisite: 302 or consent of instructor.

404–10 (4,3,3) Advanced Economic Geography I. Deals with one or more of the following: transportation, manufacturing, agriculture, resources, trade and urban geography; depending on, and varying with, interests of instructors. Thus, a student may register more than one time. Emphasis will be directed at familiarizing the student with techniques of analysis, and at developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 304.

405–7 (4,3) Advanced Economic Geography II. Content drawn from same broad range of topics as 404. To be alternated with 404 to enable student to specialize further in economic geography. Prerequisite: 304 or consent of instructor.

406–10 (4,3,3) Advanced Cultural Geography I. Deals with one or more of the following: population, settlement, ethnic characteristics, political factors; depending on, and varying with, interests of the instructors. Thus, a student may register more than one time. Emphasis will be directed at familiarizing the student with techniques of analysis, and at developing concepts and principles that underlie understanding of the phenomena and their geographic significance. Prerequisite: 306.

407–7 (4,3) Advanced Cultural Geography II. Content drawn from same broad range of topics as 406. To be alternated with 406 to enable student to specialize further in cultural geography. Prerequisite: 306 or consent of instructor.

410–8 (4,4) Advanced Geographic Techniques. Geographic applications of cartographic and quantitative research techniques. Prerequisite: 310 or consent of instructor.

416–8 (4,4) Cartography. Instruction and practice in the techniques of map-making and problems in map reproduction. Laboratory. Prerequisite: 310.

424–2 to 12 Regional Problems in Conservation.

440–2 to 6 Reading for Majors. Supervised readings in selected subjects. Prerequisite: advanced standing.

443–4 Teaching of Geography. Presentation and evaluation of methods of teaching geography. Emphasis upon geographic literature, illustrative materials, and teaching devices suitable to particular age levels. Prerequisite: 300.

451–7 (4,3) Regional Geography: Anglo-America. Deals geographically with present-day United States and Canada. (a) A general survey of the area, open to non-majors. (b) Investigates specific topics in depth, for majors.

452–7 (4,3) Advanced Regional Geography. Europe. See 461.

453–7 (4,3) Advanced Regional Geography: Mediterranean Lands and Southwestern Asia. See 461.

454–7 (4,3) Advanced Regional Geography: Soviet World. See 461.

455–7 (4,3) Advanced Regional Geography: Sub-Saharan Africa. See 461.

456–7 (4,3) Advanced Regional Geography: Eastern and Southern Asia. See 451.

457–7 (4,3) Advanced Regional Geography: Latin America. See 461.

458–7 (4,3) Advanced Regional Geography: Oceania. See 461.

470–16 (4,4,4–8) Urban Planning. (Same as Government 470.) (a) Planning

concepts and methods, (b) field problems, (c) planning and public administration internship. Prerequisite: junior standing.
471–8 (4,4) Regional Planning. Examination of the viewpoint, methods, and techniques of regional planning. Prerequisite: consent of instructor.
480–4 Workshop in the Teaching of Geography. Gives the geographic approach to man in space. Skills and techniques in the use of maps, globes, pictures statistics and graphics, and reading the landscape and literature will be acquired.
487 (2,4,4) Honors in Geography. (a) Tutorial, (b) reading, (c) supervised research. Must be spread over the last two years of the undergraduate's career Open to students in the honors program with consent of the department. May be taken in either a,b,c or b,a,c sequence.
490–1 to 16 Tutorial in Geography. Individual and small group conference with staff members to examine geographic concepts. Prerequisite: Institut status.
500–4 Geographic Techniques I. Emphasizes field and quantitative technique used in geography.
501–4 Geographic Techniques II. Emphasizes the conceptual framework o geography, library and bibliographic techniques, and geographic writing.
505–8 (2,2,2,2) Pro-Seminar in Geography. Discussion of basic issues an development of professional perspective in (a) Physical, (b) Economic, (c Cultural, (d) Geographic Thought. Taught by the entire resident staff.
511–4 Philosophy of Geography. The nature of geography. Current trends i the field, present-day geographers, and schools of thought. Geography's plac among the disciplines.
514–2 Teaching of College Geography.
515–4 to 6 Field Course. Designed to give actual experience in the field. Unde guidance of staff members students will gather data and work toward th solution of selected field problems in one particular region of the world. Th course will not be offered on campus, but will be in a field camp locatio suited to the study of selected problems. Prerequisite: consent of departmen
520–2 to12 Seminar in Physical Geography.
521–2 to 12 Seminar in Economic Geography.
522–2 to 12 Seminar in Regional Geography.
523–4 to 12 Seminar in Cartography.
524–2 to 8 Seminar in Cultural Geography.
527–2 to 8 Seminar in Urban and Regional Planning. Prerequisite: gradua standing or consent of instructor.
530–2 to 10 Independent Studies in Geography.
540a–2 to 36 Research in Physical Geography.
540b–2to 36 Research in Economic Geography.
540c–2 to 36 Research in Regional Geography.
540d–2 to 36 Research in Cultural Geography.
599–9 Thesis. Minimum of 5 hours to be counted toward a master's degre
600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the Doct or Philosophy degree.

Geology

400–3 Earth Science Seminar. Two classroom meetings per week and two fie trips on the observational, interpretive, and communicative aspects of ear science subjects. Prerequisite: all earth science minor courses.
410–4 Stratigraphy and Sedimentation. The characteristic features of se mentary rocks and their processes of origin; the classification of stratigrap units, methods of correlation, and paleogeologic reconstruction. Laborato Prerequisites: 220, 221, 310a,b, 315, and 425a,b or consent of instructor.
411–3 Mineralogy III. Elementary crystallography. Applications of physi principles to mineralogical problems.
414–5 Paleobotany. (See Botany 414.)
415–3 Optical Mineralogy. The optical properties of minerals and the use the petrographic microscope for identification of crystals by the immers method and by thin section. Laboratory. Prerequisites: 310, Physics 208.
416–4 X-Ray Crystallography. Introduction to the study, measurement, a identification of unknown crystalline materials by X-ray diffraction techniq

especially the Debye-Scherrer methods). Upon request, non-geology majors may work with unknowns from their own fields of study. Prerequisites: 310, Mathematics 150.

320–8 (4,4) Geology of Petroleum. The geological occurrence of petroleum, including origin, migration, and accumulation; a survey of exploration methods and production problems and techniques. Laboratory study applies geological knowledge to the search for and production of petroleum. Laboratory. Prerequisites: 221, 302.

325–8 (4,4) Invertebrate Paleontology. Principles of paleontology and a survey of important invertebrate phyla and their fossil representatives. Also study of paleoecology. Laboratory. Must be taken in a,b sequence. Prerequisite: 221 or GSA 201.

330–4 Physiographic Provinces of North America. Gives the student an intelligent appreciation of the evolution of land forms in the physiographic provinces of North America and explains the surface features in a landscape. Prerequisite: 220.

335–8 (4,4) Hydrogeology. Introduces the geological factors in the origin, distribution, movement, and chemistry of natural water of the earth. Prerequisites: 315, Mathematics 150b, and Physics 207.

336–8 (4,4) Elementary Exploration Geophysics. Lectures on theory and interpretation of geophysical exploration methods. Laboratory to involve use of instrumentation and interpretation of field data. Field trips required. Prerequisite: 220, Physics 211 or concurrent enrollment.

345–3 (1,1,1) Seminar in Geology. Study of major problems in Geology. Primarily student discussion based on library work. Prerequisite: senior standing.

350–12 (9,3) Field Geology. (a) Field mapping including problems in stratigraphy, structure, paleontology, physiography, and economic geology. Requires written geologic report. Consult the department for dates, cost and equipment. (b) Advanced field problems. Prerequisite: 302, 315.

355–3 Engineering Geology. (See Engineering 455.)

360–4 Geological Data Processing. Two lecture and two laboratory periods each week for instruction in computer application to geological problems including the processing and programming of data and the interpretation and evaluation of results. Prerequisites: Engineering 222 or Mathematics 225.

410–11 (4,4,3) Stratigraphy. (a) Advanced sedimentation. Physical aspects of modern sediments are examined in detail and related to the geometry of the depositional body and its environment. (b) Stratigraphic methods. Stratigraphic correlations are explained using lithologic, paleontologic, electrical, magnetic, radio active and seismic data. (c) Regional stratigraphy of North America. Investigates the established stratigraphic subdivisions or North American geology. Prerequisite: 425.

415–12 (4,4,4) Mineral Deposits. (principles, metallics, nonmetallics) Principles of mineral deposition and genesis, and the origins and geologic settings of the important mineral deposits of the world. Laboratory. Prerequisites: 302, 310.

420–12 (4,4,4) Advanced Petrology. (a) Igneous Petrology. Physical chemistry, petrographic classification, and genetic relationships of the igneous rocks. (b) Metamorphic Petrology. Physical chemistry, petrographic classification, and genetic relationships of the metamorphic rocks. (c) Sedimentary Petrology. Petrographic classification and origin of sedimentary rocks. Prerequisites: 310, 415, or equivalent.

423–3 to 9 Micropaleontology. Structure, classification, paleoecology, stratigraphic distribution, and evolution of microfossils. Laboratory work in techniques of collection, preparation, and study of microfossils. Identification and use of microfossils in solving stratigraphic problems. Preparation for research in micropaleontology. (a) Conodonts and ostracodes. (b) Foraminifera. (c) Lesser-known groups, invertebrates and algae, pollen and spores. Prerequisite: 425.

429–8 (4,4) Advanced Invertebrate Paleontology. Research in paleontology and the use of microfossils in solving stratigraphic problems: (a) Bryozoans, molluscs, and arthropods. (b) Coelenterates, brachiopods, and echinoderms. Prerequisite: 425 or consent of instructor.

490–1 to 9 Advanced Studies.

491–1 to 9 Research.

499–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Government

406–4 The American Chief Executive: President and Governor. A study o the origin and background of the presidency and the governorship, qualifica tions, nomination and election, succession and removal, the organization o the executive branch, and the powers and functions of the president an governor. Prerequisites: 231, 232 (C); GSB 203a (E).
410–3 Labor and Politics. A political history of the American labor movemen from its early century origins to the present. Attention given to the politica philosophy and practice of labor unions. Prerequisite: 231.
415–9 (3,3,3) Political Behavior. (a) Critical behavioral evaluation and syn thesis of empirical studies attempting to predict political choice and conflic behavior. (b) Integration of applicable behavioral theory and findings in corporating a structural-functional systems approach and general system analysis for constructing research designs. (c) Introduction to the technique of behavioral political science. Prerequisite: 231.
420–3 Pressure Groups and Politics. An analysis of interest groups and thei techniques of political propaganda. Prerequisite: 231.
425–4 Blacks and Whites in American Politics. Topics include various form of political participation, leadership behavior, and analysis of political stra egies including the Black Power concept. Prerequisite: 231 or GSB 211b.
430–3 Government and National Security. A study of the organization o government for national security; the historical and current developments i civil-military relations; the legal status of over-seas military aid program international defense programs; and the problem of disarmament. Prerequisit 231 or consent of instructor.
436–3 Government and Labor. (See Economics 436.)
438–4 Social Welfare Legislation. The Social Security Act and other legisl tion of major significance for the welfare and maintenance of the family, th handicapped, children, and other special groups. Their relationship of th legal structure of federal, state, county, township, and municipal welfa facilities and institutions with indications of economic and social consequence Prerequisite: consent of instructor.
440–4 Public Personnel Administration. An analysis of some of the centr problems encountered by the government executive in recruiting, maintainin and developing personnel, such as political neutrality, leadership and mo vation, career development, security regulations, and the role of personn in policy planning and execution. Prerequisite: GSB 203a, 360.
441–4 Philosophy of Politics. (See Philosophy 441.)
450–12 (4,4,4) Latin American Governments. The countries covered are (a those of the Caribbean area; (b) those of South America; (c) this section dea with the government relations between the United States and the Lat American nations. Prerequisite: 200, GSB 203a.
451–4 International Politics of Europe. Nation-state system in Europe; forei politics of major states; nationalism as a source of conflict, Soviet expa sionism; and progress toward European security and unification.
452–4 Governments and Politics of Sub-Sahara Africa. A study of the gover ments and politics of the former and present British and French territori Ghana, Nigeria, Kenya, Guinea, Congo, Senegal, etc. Prerequisite: GSB 3 or consent of instructor.
453–12 (4,4,4) Soviet Russia. An intensive study and research exercise communist government and politics. Prerequisite: 200, GSB 390, or conse of instructor.
454–8 Development of German Democracy. Involves a summer's reside in Germany with classroom material supplemented by lectures by Germ professors and government officials. Prerequisite: consent of instructor.
455–4 Major Governments of Western and Central Europe. A comparati study of the political systems of the major countries of Western and cent Europe. Prerequisite: GSB 390 or consent of instructor.
456–4 Great Britain and the Commonwealth. The commonwealth associat and the politics of Great Britain and the "Old Commonwealth" countri Australia, Canada, New Zealand.
457–8 (4,4) Government and Politics in the Near and Middle East. Iran, Ir Syria, Lebanon, Egypt, Jordan, Saudi Arabia, etc. Prerequisite: GSB 390 consent of instructor.

458–12 (4,4,4) Government and Politics of Asia. (a) Burma, Thailand, Malaya, Indochina, Indonesia, Philippines. (b) China, Japan, Korea, Formosa. (c) India, Pakistan, Ceylon. Prerequisite: GSB 390 or consent of instructor.

459–4 Politics of Developing Areas. A survey, theoretical and descriptive, of the impact upon politics of the process of development, and the role of the governmental system in the direction and control of development. Prerequisite: GSB 390 or consent of instructor.

461–4 Organizational Theory and Public Administration. Analysis of various theoretical approaches to public administration with emphasis on recent American literature in this field. Prerequisite: 360 or consent of instructor.

462–3 Intergovernmental Relations. A course dealing with the interrelationships between the various levels of government in the United States. Prerequisite: 231 or GSB 211b.

463–3 Government, Social, and Economic Policy. Exploration of contemporary agencies of policy determination within the national government; attention to methods and devices utilized to effectuate national social and economic policy within the federal system; appraisal of historical developments, trends, and results as they affect American governmental, constitutional, and political philosophy, public administration, and the general welfare. Prerequisite: GSB 211c consent of instructor.

466–3 State Government and Administration. Leading problems of government and administration of American states. Prerequisite: 232.

467–4 Urban Politics. Institutions, processes, and functions of American urban governments. Prerequisite: 232.

469–3 Administration of State and Local Finance. An examination of the administrative problems connected with local and state revenues and expenditures in the U.S. Prerequisite: 232.

470 Urban Planning. (See Geography 470.)

471–4 The Organization and Administration of American Foreign Policy. An advanced course dealing with the organizational and administrative aspects of American foreign policy. Prerequisite: 243 or 371.

472–4 International Organization. Development and organization of international governmental and administrative systems, with emphasis on the United Nations. Prerequisite: GSB 303.

475–8 (4,4) International Law. Rules and practices governing the nations in their relations in peace and war. Prerequisite: GSB 303.

478–4 International Politics. A study of the interplay of political forces in the international community. Particular emphasis will be placed on war-time diplomacy, peace treaties, the alignments and conflicts of power in the post-war period. Prerequisite: GSB 303 or consent of instructor.

480–4 The Pacific and the Far East. Political and strategic problems in this area. Prerequisite: GSB 303 or History 370.

484–8 (4,4) History of Western Political Theories. (Same as Philosophy 484) (a) Outstanding political theories of the ancient and medieval periods, including theories of Plato, Aristotle, Cicero, St. Augustine, and Thomas Aquinas. (b) Important political theories from the Renaissance to the end of the 18th century, including the theories of Machiavelli, Hobbes, Rousseau, Locke, and Burke.

487–6 (3,3) American Political Ideas. An historical study of the political ideas of leading American statesmen and publicists, and their resulting influence upon our governmental system. Prerequisite: 305 or GSB 385.

488–9 (3,3,3) Recent Political Theory. (a) The outstanding Anglo-American liberal political theorists from John Stuart Mill to the present. (b) The outstanding "scientific" political theorists from Karl Marx to the present. (c) The outstanding idealistic and nationalistic political theorists from Hegel to the present. Prerequisite: GSB 385 or 390.

495–8 (4,4) Constitutional Law. (a) Constitutional law of the United States with emphasis upon cases dealing with the framework of our federal system. (b) American liberties. Prerequisite: 231.

497–4 Administrative Law. Law as it affects public officials in carrying out the rights, duties, and necessary functions of the public office. Prerequisite: 360.

498–4 Jurisprudence. (Theories of Law.) Major schools in legal thinking. Positive law and natural law. Idea of justice and concept of natural rights. Prerequisite: 231.

499–4 Scope and Method of Government. Practical training in research and writing techniques in the field of government. Bibliographical materials, foot notes, use of law library facilities, and government documents. Required o all beginning graduate students.
500–6 (3,3) Methods of Empirical Research. (a) Problems in the philosophy o science as related to research in political science. (b) Techniques of dat gathering and analysis for political science research.
501–2 to 9 Seminar in Contemporary Legislation. Prerequisite: 340 or consen of instructor.
502–2 to 9 Seminar in Governmental Problems. Prerequisite: consent of in structor.
503–2 to 9 Seminar in Pressure Groups. Prerequisite: 420 or consent of in structor.
504–4 Judicial Process. An examination of the literature on such topics a judicial selection, the impact of court decisions, court procedure, and th factors affecting the decision-making behavior of judges. Prerequisite: 495 o equivalent or consent of instructor.
505–2 to 9 Seminar in Political Parties. Prerequisites: 380, 420, or consent o instructor.
506–2 to 9 Seminar in Political Behavior. Prerequisite: 415 or consent o instructor.
508–2 to 9 Seminar in International Relations. Prerequisites: 370, 472 or 47 or consent of instructor.
509–2 to 9 Seminar in International Organization. Prerequisite: 472 or conse of instructor.
510–2 to 9 Seminar in State Government. Prerequisite: 466 or consent of in structor.
511–2 to 9 Seminar in Local Government. Prerequisite: 467 or consent of in structor.
512–2 to 9 Seminar in Public Administration. Prerequisite: 360 or consent o instructor.
513–2 to 9 Seminar in Constitutional Law. Prerequisite: 395 or consent of in structor.
515–2 to 9 Seminar in Comparative Government.
516–2 to 9 Seminar in Municipal Administration. Prerequisite: 467 or conse of instructor.
517–2 to 9 Seminar in Problems in Political Theory. Prerequisite: 360 or co sent of instructor.
520–2 to 9 Seminar in American Foreign Policy. Prerequisite: 371 or conse of instructor.
521–1 to 12 Readings. Supervised readings in selected subjects. Not more tha 6 hours may apply toward the master's degree. Prerequisite: consent of in structor.
525–2 to 9 Seminar in International Law. Prerequisite: 475 or consent of in structor.
530–4 to 12 Internship in Public Affairs. Field work in the office of a gover mental agency; city, county, state, national, or international. Under certa circumstances it might be in the office of a political party organization or that of some organized pressure group. The type of internship and the pla and organization in which it is taken must be mutually satisfactory to t student and the department. A paper in which the student correlates h academic knowledge with his practical experience is required. Prerequisit consent of department.
582–4 Criminal Law and the Correctional Process. A review of the bas principles and administration of the criminal law and the legal foundatio of the juvenile court, the sentencing process, parole and probation, and t changing concept of mental competency. Prerequisite: consent of instructo
584–4 Seminar in Correctional Program Management. A critical analysis management influence on treatment programs in various correctional setting Field trips, observation, and research in addition to readings. Prerequisit consent of instructor.
595–2 to 12 Individual Research. Selection, investigation, and writing of research topic under the personal supervision of a member of the department graduate staff. Prerequisite: 499 or consent of instructor.
599–1 to 9 Thesis. Prerequisite: 499 or consent of instructor. Minimum of hours to be counted toward a degree.

600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the Doctor of Philosophy degree.

Guidance and Educational Psychology

412–4 Mental Hygiene. A survey of principles concerning factors and conditions in personal life that tend to facilitate or deter mental health. Mental health viewed as living creatively in an atmosphere of satisfactory inter-personal relations. Prerequisite: 305.

422–8 (4,4) Educational Measurement and Statistics. (a) Study of the theory and techniques of measurement. Special attention to the construction and use of teacher-made tests. (b) Study of standardized tests and other measuring devices to reveal individual and group characteristics. Emphasizes application and interpretation for counseling, education, and research purposes. Prerequisite: 305.

442–4 Basic Principles of Guidance. Introductory course on student personnel services. Survey of philosophy, principles, and organization of guidance services. Prerequisite: 305.

481–2 to 10 Seminar. Conducted by staff members and distinguished guest lecturers on pertinent topics. Prerequisite: 305 and consent of instructor and department.

501–2 to 12 Special Research Problems. For majors in Guidance. Formulating, investigating, and reporting on a problem in the area of guidance. Prerequisites: advanced standing and consent of department.

505–4 Introduction to Statistical Methods. Covers such basic descriptive techniques as measures of central tendency and variability, graphical presentation of data, and various derived scores. Also correlation, sampling theory, and hypothesis testing.

506–4 Advanced Statistical Methods. Basic statistical inference techniques: correlation, hypothesis testing, confidence intervals, introduction to prediction and one-way analysis of variance. Prerequisite: 505.

507–4 Design and Analysis of Experiments. Systems of organizing and analyzing data so that maximum information can be obtained. Analysis of variance, factorial design, square designs, mixed designs, tests of homogeneity, analysis of covariance, and multiple linear regression. Prerequisite: 506.

511–4 Educational Implications of Learning Theories. Survey of the major theories of learning. Emphasizes the implications of these theories for classroom practice. Prerequisite: advanced standing.

515–4 Psychlogical Aspects of Education. Designed to survey the applications of psychology to educational settings. Prerequisite: advanced standing.

521–8 (4,4) Analysis of Classroom Behavior. Trains school psychologists and other school personnel to serve as a consultant to classroom teachers regarding (a) prevention and modification of undesirable classroom behaviors and (b) effective use of learning principles. Must be taken in a,b sequence. Prerequisite: 305.

530–4 Standardized Testing: Theory, Use, and Interpretation. Principles and procedures for studying individual pupils and their problems for guidance purposes. Emphasis on interview, observation, ratings, case study, cumulative record. Prerequisite: 505.

531–4 Theory of Measurement. Standardized tests and other measuring devices studied to reveal individual and group characteristics. Application and interpretation for counseling, education, and research purposes. Prerequisite: 505 or consent of instructor.

532–8 (4,4) Individual Measurement Theory. (a) Assessment of individual mental factors with attention to theories, test validation, analysis of intelligence, and related research. Historical review, test standardization, and interpretation of the Stanford-Binet and Wechsler Scales are emphasized. (b) Discussion of problems in the administration of intelligence tests. Administration of the Stanford-Binet and the Wechsler intelligence scales for children. Must be taken in a,b sequence. Prerequisite: 505 or consent of instructor.

537–4 Counseling Theory and Practice. Systematic study of the assumptions and fundamental practices of major approaches to counseling. Observation and practice utilized to supplement didactic discussion. Prerequisite: consent of department.

541–4 Occupational Information and Guidance. For school counselors, indus-

trial supervisors, and teachers to give an orientation to and experience wit occupational information and vocational adjustment. Prerequisite: 442.
543–4 Guidance Through Groups. Study of the methods, techniques an materials for the organization and utilization of groups for guidance purpose Prerequisite: 442.
545–2 to 4 Seminar. Doctoral seminar in behavioral foundations of educ tion. Open only to students admitted to doctoral curricula who have cor pleted 590.
546–8 (4,4) Personality Assessment. The review of related literature cove test development, standardization procedures, related research, and test inte pretation. **(a)** Assessment of individual interests, motivations, and perceptu systems with attention to theories and assumptions of objective dia nostic tests. **(b)** Projective diagnostic tests, theories, and assumptions a stressed. Must be taken in a,b sequence. Prerequisite: 532a or consent instructor.
548a–2 to 4 Practicum in Secondary Guidance. Supervised experience in grou and individual guidance procedures with children and in working with parer and teachers. The development anl organization of a secondary school gui ance program is stressed, including the use and interpretation of occupation and other test materials appropriate for the secondary interpretation of c cupational and other test materials appropriate for the secondary school. Pr requisite: 537 or consent of instructor.
548b–2 to 4 Practicum in Elementary Guidance. Supervised experience group and individual guidance procedures with children and in working wi parents and teachers. The development and organization of an elementa school guidance program is stressed, including the use and interpretation occupational and other test materials appropriate for the elementary int pretation of occupational and other test materials appropriate for the eleme tary school. Prerequisite: 537 or consent of instructor.
548c–4 to 8 Practicum in Counseling. Practical experience at the appropri grade level in counseling with a representative sample of the population. cludes counseling and listening to recordings of counseling sessions individua or in groups. Prerequisite: consent of instructor.
548d–2 to 8 Practicum in School Psychology. Supervised experience to h the student work effectively as a psychologist in the school setting. Focu on the application of specific psychological skills, the teacher consultati and program planning for educationally handicapped children. Prerequisi consent of instructor.
553–2 to 4 Organization and Administration of Guidance and Pupil Person Services. Principles, procedures, and plans necessary for initiating, developi and appraising a school guidance program. Prerequisite: 537.
555–2 to 12 Seminar in School Psychology. Major professional issues and sponsibilities; the school as a social system; ethical considerations; sch related agencies and facilities; and professional organizations. Assists the s dent prepare the project proposal required for the specialist's certificate. P requisite: consent of instructor.
562–8 (4,4) Human Development in Education. Theories and research e dence regarding child development and behavior are investigated. These c siderations focus upon implications for research and educational practices. Childhood. Prerequisite: advanced standing. **(b)** Adolescene. May be tal in a,b sequence.
567–2 to 12 Topical Seminar in Educational Psychology. Contemporary to and problems in the area of educational psychology. Conceptual and empir activities. Prerequisite: consent of instructor.
568–2 to 16 Topical Seminar in Counseling and Guidance. Issues in counseli counseling theories, research methodology, contemporary and classical resea design, modern trends in applied research. Prerequisite: consent of instruc
580–2 to 10 Topical Seminar in Statistics and Measurement. Discussion practical experience in dealing with advanced statistical and measurem problems. In-service training is available for advanced graduate students. I requisite: consent of instructor.
581–1 to 12 Internship in Counseling, Guidance, and Counselor Supervis Prerequisite: 548c.
590–2 Seminar in Behavioral Foundations. A course required of all stud beginning advanced graduate study. Students examine empirical mode inquiry and empirical formulations of learning behavior. Topics explored clude the classroom as a social system, the learner, learning models and

nguage. (Taken concurrently with Educational Administration 591. Prequisite: formal admission to Doctor of Philosophy studies.)
6–2 to 12 Independent Investigation. For specialist's certificate students. erequisite: consent of instructor.
7–1 to 10 Independent Study. For doctoral students in educational psyology. Formulating, investigating, and reporting on research problems in e area of guidance and educational psychology. Prerequisite: consent of partment.
9–3 to 9 Thesis.
0–1 to 48 Dissertation.

Health Education

0–4 Health Appraisal of School Children. The role of the teacher in the alth appraisal of the school child, including school health examinations, use health records, and emphasis on training for recognition of health devians from normal common among school children. Not open to students who ve had 450.
5–4 Sex Education in Schools. Problems of teaching sex education in schools. signed to meet state requirements for preparation of teachers.
5s–3 to 4 Workshop in Driver Education and Traffic Safety. Summer course signed for pre-service and in-service teachers of driver education and ffic safety. Individual and group problems will be treated. Lectures by ety authorities, demonstrations, field trips, audio-visual materials, and lividually supervised research in special problem areas. Prerequisite: 302 equivalent.
2s–4 Practicum in Driver and Traffic Safety Education II. Provides prosctive teachers with dual-control, simulation, and multiple-car laboratory ching experiences. Teaching beginners, developing programmed lessons, thods, and materials of instruction included. Prerequisite: 302s.
3s–4 Driver and Traffic Safety Education Program Administration III. cludes a study of program administration, supervision, and planning. Preuisite: 442s.
5s–4 Driver Simulation. For in-service and pre-service teachers and supervors of driver and traffic safety education. Methods of instruction, equipnt familiarization, program development and objectives. Prerequisite: 443s consent of the instructor.
1–4 Health Education in the Elementary School. Responsibilities of schools instruct their students in basic fundamentals of how to live healthfully. nciples, methods, programs and materials for the elementary teacher. The egration of health with other subjects, health observation of children, normalities, screening tests, and related materials. Not open to students o have had 400.
4–4 School Health Program. Shows the prospective teacher the fundamental cesses involved in the teaching of health education at the secondary level.
6–4 Workshop in Health Education. Summer course for in-service teachers, ministrators, advanced students, nurses, social workers, and others interested public health aspects of school and community living. Individual problems lassroom health treated as units in such fields as speech defects and their ection and correction, communicable disease control, nutrition, social and ntal hygiene. Lectures, demonstrations, films, field trips, and individually ervised research in special problems. Prerequisite: 100 or its equilavent.
6–4 Health Education Workshop. A continuation of 461 with emphasis on l school health teaching objectives.
6–1 to 4 Workshop in Health Education with Emphasis in Diaster Preparedss. A continuation of 462.
6–4 Workshop in Alcohol Education. Summer course for in-service teachers, ministrators, and others interested in the development and improvement of hol education programs at the elementary and secondary school levels. Iudes approaches to understanding physiology of alcohol, cultural difnces and patterns of alcohol problems, teenage drinking and current ories and approaches to alcoholism. Emphasis on the analysis and develop- t of content, methods, materials, teacher preparation, and special needs problems of individual communities. Demonstrations, lectures, films, field s, and individual research in special areas.
7–4 Organization and Administration of School Health. Appraisal of overall

school organization for health education, including health service and p sonnel, health and safety instruction, school environment, school health amination, local, state, and federal resources for health, health councils, a interdepartmental relationships.

475s–3 Traffic Law Enforcement and Planning. Acquaints Safety and Dri Education teachers with the purposes of traffic law enforcement and engine ing and the methods used to fulfill these purposes on ways of improvi existing services. Prerequisite: 433s or consent of instructor.

480s–4 Workshop in Safety Education. Summer course for in-service teache nurses, administrators, advanced students, and others interested in saf education as it applies to the public school and the community. Individ problems, lectures, demonstrations, films, field trips, and individual gr study in special areas of interest. Prerequisite: 313 or 323 or consent of structor.

481s–4 Safety Education Workshop. A continuation of 480s with emph on methods and evaluation of total school safety education. Prerequisite: 3 or 323s or 480s or consent of instructor.

485–4 International Health. A survey and analysis of the health beliefs, valu and practices of peoples in other cultures, with particular attention to h these beliefs and practices fit into a total way of life. An internatio orientation of potential value to both prospective teachers and students other fields.

488–4 Health Education Aspects of Environmental Sanitation. Applicatio principles of learning to man's contacts with his environment: water, f air, radiation, housing, and refuse. Emphasis is placed upon both individ and community aspects of environmental health. Prerequisites: 100, 205, equivalent.

489–4 Introduction to Vital Statistics. An introduction to bio-statistics; amination of theories of population growth; understandings of collection, ganization, summarization, presentation, evaluation, and interpretation data relative to biological happenings. Prerequisite: Mathematics 120 equivalent.

490–2 to 8. Field Work in School and Community Health. Field train observation, and participation in current public and school health progr Area schools and public health agencies will be ultilized to provide pract experience for the health education student. Restricted to majors in the partment.

491–4 Health Teaching Methods in School and Community. Various di sions of teacher-student relations in the classroom with emphasis on multiple roles of the teacher. Prerequisite: 305, 471, or consent of instru

500–4 Community Organization for Health Education. Review of the losophies of community organization for health; techniques of group w current research in community organization and examination of program community health agencies.

510–4 Construction of the Curriculum in Health Education and Safety. Re of health and safety instruction programs in elementary and secondary sch consideration of health and safety needs and interests and their relations to the curriculum, evaluation of health texts, and evaluation of current rese

511–5 Practicum in Health Education Workshop. Designed to give grad and post-graduate students experiences in organizing, planning, and op ing in-service training programs through workshop methods.

515–4 Review of Current Literature in Health Education, Public Health Safety Education. A survey and analysis of the newer publications in related fields of health education, public health, and safety education.

520–4 to 6 Special Projects in Health Education and Safety. Detailed rese and study on advanced problems in the fields of public health, safety educa and health education.

525s–4 Organization, Administration, and Supervision of Safety Educa Designed to give the student basic principles of organization, administra and supervision of safety education. Problems, policies practices, and met involved in the organization and administration of a safety education prog

526–4 Evaluation in Health Education and Safety. Surveys and analys health and safety testing and evaluation, procedure includes surveys; i tories; knowledge, behavior and attitude tests; check lists; and questionn their uses and limitations. Evaluation of total school health and safety gram is emphasized. Prerequisite: consent of department.

530s–4 Problems and Research in Accident Prevention. Principles of acc

revention, causes of accidents, problems of behavior in school, home, traffic nd transportation. Prerequisites: 443s, 525s, or consent of instructor.

33a–4 **Human Conservation.** An analysis of community health problem trends nd changes including aging; chronic and degenerative diseases; mental ill- esses; taumatic illness, injuries, and defects; radiological hazards; com- unicable diseases; and maternal and child health problems. An epidemiologi- l approach to the cause, nature, extent, and trends in erosion and wastage human resources. Prerequisite: permission of instructor.

33b–4 **Human Conservation II.** An analysis of community structures in re- tion to positive health services, education, and health living in respect to ommunity health problems and health requirements. A study of trends in rogramming to meet minimum health requirements and to care for or meliorate existing health problems and hazards on a communitywide basis. rerequisite: 533.

33c–4 **Human Conservation III.** An analysis of the unmet health needs or equirements for optimum conservation of human resources in the community cluding a study of pilot and experimental programs and research in com- unity efforts to meet health needs and solve existing health problems. An valuative approach to existing health programming and research including analysis of further needed experimentation and research and possible urces for leadership and funds for promoting community health research, rogrammings, and plannings. Prerequisites: 533a,b.

36–4 **Professional Preparation in Health Education.** National, state, local ctors influencing teacher preparation in health education, including ac- editation of teacher education programs, certification of health education achers. Undergraduate and graduate curricula developed and analyzed.

390–4 to 12 **Field Internship.** Full quarter of field work with an approved de- rtment of public health or voluntary health agency under the supervision the agency officer in charge and the supervisor from the Department of ealth Education.

397–3 (1,1,1) **Seminar in Health Education and Safety.** Devoted to discussing dividual health and safety projects, presenting research problems, and pre- ninary presentation of dissertation topics.

399–3 to 9 **Thesis.**

400–1 to 48 **Dissertation.** The dissertation for the Doctor of Philosophy degree the College of Education must meet the minimum requirements of 36 urs.

Higher Education

502–2 **Principles of College Student Personnel Work.** An exploratory course signed to acquaint the student with the career possibilities and functions higher education.

510–4 **Higher Education in the United States.** An overview of American higher ucation: its development and scope, organizations and functions, issues and ticisms.

512–4 **Higher Education in Selected Nations.** Study of higher education sys- ns and trends outside the United States, and of the university in world airs.

514–4 **Organization and Administration in Higher Education.** Theories and ctices in governance of various types of higher education institutions with ention, through case studies, to problems of formal and informal structures, sonnel policies, decision-making, institutional self-study, and societal-govern- ntal relations.

515–4 **College Student Personnel Work: Operations and Policies.** Study of anization, functions, and undergirding policies of student personnel services l programs in contemporary colleges and universities.

516–4 **College Student and College Culture.** A study of the nature of the stu- nt, the impact of the college on student development, the nature of the lege as a unique social institution, and the interaction between the student l his institution.

517–4 **College Teacher and College Teaching.** Study of contextual roles of demic man as teacher, scholar, and faculty member; of teaching-learning cesses, programs, and evaluations; and of professional values, including demic freedom.

590–1 to 12 **Readings in Higher Education.** Supervised readings in aspects

of such general areas in higher education as college teaching and learnir central administration, college student services, policy issues, or history higher education. Prerequisite: consent of instructor.

523–1 to 12 Internship in Higher Education. Supervised field experience appropriate settings, with evaluative seminars. **(a)** College Teaching. (College Student Personnel. **(c)** College Administration. **(d)** Institutional R search. Prerequisite: consent of department.

524–2 to 6 Individual Study. Individual inquiry into selected problems higher education. Prerequisite: consent of instructor.

535–2 Higher Education Seminar I. A series of seminars for specialized are of administrative practice and policy. **(a)** Educational Programming in St dent Housing. **(b)** Business Administration of Student Housing. **(c)** Stude Personnel Group Work. **(d)** Non-Academic Personnel Management. **(e)** Pr lems in Central Administration. **(f)** Business and Fiscal Administration. (Academic and Faculty Administration. **(h)** Administration of Admissions a Records. **(i)** Junior College Administration. **(j)** The Technical Institute. (Adult and Continuing Education. **(m)** Institutional Research. **(p)** Devel ment and Management of Organized Research.

545–3 Higher Education Seminar II. A series of seminars for reflective a scholarly inquiry into significant domains in higher education. Prerequisi consent of instructor. **(q)** History of Higher Education. **(r)** Sociology of Hig Education. **(s)** Law, Legislatures, and Higher Education. **(t)** Aesthetics a Higher Education. **(v)** The Federal Government and Higher Education.

551–4 Curriculum Design and Policy. Study of assumptions, materials, meth and evaluation in the designs of various curricula in colleges and universit with attention to curriculum resources and policy.

555–4 Philosophy of Higher Education. (Same as Philosophy 555.) Criti examination of assumptions and aims, operations and consequences, a basic concepts and symbols of higher education from philosophic perspecti

565–4 The Community-Junior College. A study of the nature and function the junior (or community) college in American higher education, and relationships to the community and other educational institutions. Co content treats special problems of curriculum, student services, finances, ulty selection and growth, and general policy.

578–4 Economic Aspects of Higher Education. A study of economic asp of higher education in American society. The emphasis on sources and m agement of college and university financing includes budgeting, control, current trends.

589–4 to 6 Advanced Research. Selection, investigation, and writing of a cial research project under the personal supervision of a graduate fac member. Prerequisite: consent of instructor.

595–1 to 12 Higher Education Seminar III. Varied content. Prerequisite: sent of instructor.

599–1 to 9 Thesis.

600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the Do of Philosophy degree.

History

401–9 (3,3,3) History of the South. Social, economic, political, and cult developments of the South. **(a)** To 1850. **(b)** 1850–1900. **(c)** Since 1

403–6 (3,3) American Economic History. **(a)** to 1800. **(b)** 1800–1900.

405–6 (3,3) United States History 1850–1896. **(a)** Civil war. **(b)** Reconst tion and industrialization. Prerequisite: GSB 300b or consent of the instru

406–6 (3,3) Diplomatic History of Europe. **(a)** From the Congress of Vi to the Fall of Bismark (1815–1890). **(b)** From 1890 to the present.

409–6 (3,3) U.S. Constitutional History. A content and research cours volving origin and development of the American constitution, from En background through the convention to the present. **(a)** 19th Century. 20th Century.

410–2 to 5 Special Readings in History. Supervised readings for students sufficient background. Registration by special permission only. Offere demand.

411–9 (3,3,3) Social and Intellectual History of the United States. **(a)** 1 1830. **(b)** 1830–1900. **(c)** 1900 to present. The development of Ame

ciety and a study of various types of economic, social, and political thought at have influenced it.

4–9 (3,3,3) **Intellectual History of Modern Europe.** (a) The Enlightenment,) The 19th century, (c) The 20th century.

6–6 (3,3) **Early Modern Europe.** (a) Renaissance. (b) Reformation. Prequisite: Six hours of 300-level social science or consent of the instructor.

7–9 (3,3,3) **Advanced English History.** (a) The Empire-Commonwealth. (b) nstitutional history. (c) English culture in the age of the American Revolun. (d) Tudor England.

9–6 (3,3) **Europe in the Age of Absolutism.** (a) 1648–1715. (b) 1715–1789. erequisite: Six hours of 300-level social science or consent of instructor.

0–4 **The French Revolution.** A sketch of the passing of feudalism in France, e background and development of the revolutionary movement, and the apoleonic period.

5–6 (3,3) **American Colonial History.** (a) Discovery and Settlement, (b) itish Imperial structure.

8–3 **The Age of Jackson.** Origins, background, and development of that ase of American democracy associated with the Jacksonian era. The poical, social, and economic history of the years 1815–1844.

0–9 (3,3,3) **Late Modern Europe.** (a) Age of Revolution, 1815–1880. (b) 80–1918. (c) Since 1918. Age of Dictatorships.

4–9 (3,3,3) **The Social and Political History of Modern Europe.** (a) 1815–70. (b) 1870–1914. (c) Since 1914. Prerequisite: Six hours of 300-level social ence or consent of instructor.

5–9 (3,3,3) **Twentieth-Century United States History.** Important develop-nts in recent United States history. (a) 1896–1919. (b) 1919–1937. (c) 1937 present. Prerequisite: GSB 300c or consent of instructor.

0–9 (3,3,3) **History of American Diplomacy.** A study of the important aty relations of the United States, and a general consideration of American eign policies. (a) America in isolation (to 1860). (b) The emerging America om 1860 to 1920). (c) America on the world scene (1920 to the present). erequisite: GSB 300 a,b.

–9 (3,3,3) **History of the West.** (a) Colonial. (b) Trans-Allegheny. (c) ans-Mississippi.

8–6 (3,3) **History of Southeast Asia.** (a) To 1900. (b) 1900 to present.

0–6 (3,3) **Advanced African History.** (a) Cultural history of traditional tes, the slave trade, and the interaction of traditional systems and European ture. (b) Investigations into the most important historical questions and erpretations of the regions covered in (a). Prerequisite: 349a,b, or c, or cont of instructor, or graduate standing.

–3 **Historiography.** Development of history as a written subject, including rks and philosophy of the various historians in ancient, medieval, and dern periods.

–3 **Historical Research and Thesis Writing.** The rules of historical rech studied and applied to a definite topic. For history majors only.

–3 **History of Inner-Asian Relations.** Tribes, migrations, wars, and power tics in Central Asia and outlying areas of China from Han times through n century rivalries to latest development along the Sino-Soviet frontier.

0–9 (3,3,3) **Social and Intellectual History of the Middle Ages.** (a) 500–0. (b) 1000–1250. (c) 1250–1500.

0–6 (3,3) **History of France.** French social, economic, political, and intelual evolution from medieval origins to the present day and of the French tributions to Western culture. Prerequisite: 6 hours 300–level social science, onsent of department.

0–6 (3,3) **History of Germany.** (a) German state and society from the dle Ages to the early 19th century. (b) Germany since 1815. Prerequisite: hours of 300-level social science or consent of instructor.

0–6 (3,3) **History of Russia.** (a) Traditional Russia to 1905. (b) Revolution-Russia Since 1905.

7–3 **Argentina and Chile.** A narrative and comparative study of the indedent era of the history of these two leading states of South America.

7–6 (3,3) **History of Mexico.** (a) 19th century. (b) 20th century. Sigant political, economic, diplomatic, social, and cultural aspects of Mexican from independence to modern Mexican life.

7–6 (3,3) **The Caribbean Area.** (a) In the 18th and 19th centuries. (b) he 20th century. An inquiry into the changing role of the political, eco-

nomic, strategic and cultural nature of this Mediterranean of the New Wor
475–6 (3,3) Dictatorship in Latin America. A political, economic, social a military study of the domestic and international aspects of dictatorship. (19th century. (b) 20th century. Prerequisite: junior standing.
476–3 Andean South America Since Independence. A narrative and compa tive study of Bolivia, Colombia, Ecuador, and Peru in the nineteenth a twentieth centuries. Prerequisite: 6 hours of 300–level social science or cons of department.
477–3 Brazil Since Independence. Cultural, diplomatic, military, political, a socio-economic elements of Brazilian life from independence to the curr era. Prerequisite: 6 hours of 300–level social science or consent of instruct
481–6 (3,3) History of Rome. (a) Rome from republic to empire, 133 B. A.D. 14. (b) Roman Empire to the death of Constantine. Prerequisite: hours of 300-level social science or consent of instructor.
482–6 (3,3) Cultural History of Greece. (a) Hellenic civilization as reflected its religious, historical, scientific, and philosophical thought, and in its literat and art. (b) The decline of the Greek city-states in the 4th century B.C., Age of Alexander, and the political, social, economic, religious, and cultu developments of the Hellenistic period. Prerequisite: 6 hours of 300–level so science or consent of department.
498–6 (3,3) History Honors. Study of the great ideas and works of histo for senior honors students in history; directed research for the honors the (a) History honors. (b) Research, honors thesis. Prerequisite: consent of partment.
500–4 to 10 History Seminar. (a) American history, (b) European history, Latin American history.
509–4 Studies in Negro History. Readings, discussions, and papers, of selec areas of Negro life and thought.
510–2 to 12 Readings in History. Individual readings course. Prerequisite: c sent of department.
511–4 Studies in the Middle Ages. Extensive reading and discussion in selec topics of medieval European history.
512–4 Studies in Modern Europe. Advanced readings in problems of mod Europe. Emphasis on economic, social, and intellectual history. Prerequis 430a,b or consent of instructor.
514–4 Studies in Asian History. Pro-seminar course on select topics in A History. Prerequisite: consent of department.
515–8 (4,4) Seminar in Twentieth Century United States History. Un States history since 1896 with emphasis upon politics and political beha Prerequisites: graduate status.
516–8 to 16 (4,4) Seminar in European History. Must be taken in a,b seque May be repeated once. Prerequisite: consent of instructor.
518–4 England in the Age of the "Glorious Revolution." An analysis of ideas and forces that converted the English government into a liberal s with an emphasis on the concepts and principles later applied in the estab ment of the American Constitution.
519–8 (4,4) The Age of Jefferson. Rise and development of Jefferso Democracy, 1790–1824, with emphasis upon social, economic, and poli programs of Republicans and Federalists; the clash of mercantile and agra interests.
520–8 (4,4) Sectionalism and Reform. Study of major political, econo and social issues, 1820–1850, which divided the United States and prep the way for civil war.
521–8 (4,4) Seminar in American Diplomatic History. A content and search course concerning selected studies in American diplomacy. Prerequi 6 hours of 300-level social science or consent of instructor and 440.
522–8 (4,4) Seminar in American Economic History. (a) Reading sem in the economic aspects of American history. (b) Research seminar probl Prerequisites: Economics 214 or 215 or consent of instructor.
523–8 (4,4) Seminar in American Social History. Research and writin selected topics relating to the development of American society and ins tions. Prerequisite: consent of instructor.
524–8 (4,4) Seminar in American Constitutional History. (a) Reading sem devoted to the important literature in constitutional history. (b) Rese seminar in which the student will closely investigate a significant topic. requisite: consent of instructor.

5–8 (4,4) **Seminar in American Colonial History.** Advanced research in ecific areas of American Colonial history. Prerequisite: consent of instructor.
3–4 **New Viewpoints in American History.** New interpretations and recent velopments in American history. Prerequisite: GSB 300.
8–8 (4,4) **Seminar in Illinois History.** A seminar in selected topics in inois history, 1818–1918. Prerequisite: consent of instructor.
4–4 **United States-Mexican Relations.** A content and research course conrning international relations between the United States and Mexico.
5–12 (4,4,4) **Studies in Latin American History.** A content and research urse concerning selected studies in Latin American history.
8–3 (1,1,1) **Teaching History in College.** Required of all first-year teaching sistants.
9–1 to 9 **Thesis.** Minimum of 5 hours to be counted toward a master's degree.
0–1 to 4 **Dissertation.**

Home and Family

7–2 to 8 **Workshop.** Aids workers in professions related to home and family.
3–4 **Advanced Family Housing.** (Same as Clothing and Textiles 423.) rther appreciation and understanding of aesthetic, economic, psychic, and cial factors influencing choice of family housing today. Prerequisite: 323.
4–4 **Selection, Use, and Care of Appliances.** Materials used in equipment, ethods of construction, and principles of operation of appliances for cooking, rigeration, laundering, cleaning; selection, operation, and care of appliances obtain maximum satisfaction in use. Offered on demand. Prerequisite: 324 consent of instructor.
5–4 **Work Simplification in Home Management.** Basic scientific work simplition principles applied to work done in the home by full-time, employed physically handicapped homemakers.
5–4 **Administration of Pre-School Program.** Objectives in pre-school proams. Programming, including housing, equipment, health protection, and pervision. Field trip. Prerequisite: 345b or consent of instructor.
6–4 **Infant Development.** Current theories and knowledge concerning growth d development of infants with related laboratory and field experiences. erequisite: 237 or Psychology 301 or equivalent.
6–2 **Practicum in Parent-Child Study.** Designed to increase student's ability work with parents and parent groups through an awareness of factors in parent-child relationship and knowledge of current research and methods parent education. Integration with infant and child development laboratories d related field experience. Prerequisites: 227 and 237 or equivalent.
4–2 to 6 **Field Experience.** Opportunity for supervised learning experiences selected areas. Prerequisite: consent of chairman of department.
4–2 to 6 **Readings.** Supervised readings for qualified students. Prerequisite: nsent of instructor and chairman.
5–4 **Research Methods.** The nature of the scientific method and basic hniques in home and family research as applied to the collection, analysis d interpretation of data. Prerequisite: Guidance 505.
5–4 **Trends in Consumer Problems.** Social, legal, and economic problems t pertain to the consumer. Selection of individual problems for investigan. Prerequisite: 341 or equivalent.
5–4 **Advanced Home Management.** Readings, observations, projects, and cussions on selected problems with emphasis on time, money, energy, and ily relations. Prerequisites: 331 and 332 or equivalent.
5–4 **The Pre-School Child.** Growth of the child from birth to six years h emphasis on the various aspects of growth and their interrelationships.
5–4 **Child Development Through Home and School.** The normal, healthy elopment of children as it takes place in the home and is promoted by curriculum and other school activities.
5–4 **Interpersonal Relationships Within the Family.** Factors that promote sfactions within the immediate family. Prerequisites: 227 or GSB 341, 237, d 331.
5–4 **Recent Research.** Review of selected research in various phases of ne economics in related fields. Sources of research include colleges, univeres, and governmental and industrial agencies. Offered on demand.
5–2 to 8 **Special Problems.** For students recommended by their chairman

and approved by the head of the department and the instructor in cha
for independent work or directed study.
599–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degr
600–3 to 48 Dissertation. Minimum of 36 hours to be earned for the Doc
of Philosophy degree.

Home Economics Education

414–4 Home Economics for Elementary Teachers. Units of work in nutriti
school lunches, family and social relationships, textiles, and clothing.
415–1 Introduction to Graduate Study. Seminar to orient the student
graduate work through relation of courses to goals of program, standards
work, habits of thinking, communication of ideas, uses of professional r
terials and publications. Required. Students should take at first opportuni
481–2 to 6 Readings. Supervised readings for qualified students. Prerequisi
consent of instructor and chairman of department.
485–3 Principles and Philosophies of Vocational and Technical Educati
(See Technical and Industrial Education 485.)
500–4 Research Methods. Methods employed in research in home econom
education with special study of one according to interest and needs of s
dent. Development of prospectus. Prerequisite: 505.
505–4 Home Economics in Secondary Schools. Consideration of the curricul
for homemaking education in the secondary school. A critical survey of
sources. The place of homemaking education in the school and commun
506–4 Evaluative Procedures in Home Economics. Principles and procedu
underlying appraisal and evaluation. Development and critical considerat
of instruments for appraising pupil growth and the program of instruct
Emphasis placed on values.
507–2 to 8 Workshop. Designed to aid home economics teachers, supervis
and leaders in the field with current problems. Resource people are u
Discussions, reports, lectures, and other methods of analyzing and work
on solutions to problems. Emphasis for the workshop will be stated in
announcement of the course.
510–4 Supervision of Home Economics. Nature, function, and technique
supervision at all levels. Emphasis given to supervision of student teach
Experience in the field will be provided for qualified teachers.
510A–1to 4 Practicum in Supervision. Experience in using a variety of t
niques at various levels and areas of supervision both on and off cam
Prerequisite: 510 or Educational Administration 556 or consent of instruc
515–4 Trends and Issues in Home Economics Education. Current tre
problems, needs in the field. Attention given to problems and needs of
dents.
516–4 Advanced Methods of Teaching Home Economics. Recent trend
methods based on research and experimental programs; furthering good
lations in homemaking classes as means of clarifying and accomplishing g
teacher's role; techniques useful in furthering good relations within g
and in meeting individual needs. Emphasis given to social significanc
these procedures.
517–4 Methods and Materials for Adult Programs in Home Economics.
losophy of adult education; unit planning, methods, techniques, and reso
useful in adult homemaking programs.
525–3 Interrelated Vocational Cooperative Education. (See Technical
Industrial Education 525.)
571–4 Recent Research. Review of selected research in various phases of h
economics in related fields. Sources of research include colleges, univers
and governmental and industrial agencies. Offered on demand.
572–2 to 8 Special Problems. For students recommended by their chair
and approved by the head of the department and the instructor in ch
for independent work or directed study.
573–1 to 6 Seminar: Research in Home Economics. Presentation of prosp
outlines, research projects, problems for research, progress reports of rese
by graduate students and faculty. Prerequisite: consent of instructor.
599–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's de
600–3 to 48 Dissertation. Minimum of 36 hours to be earned for the D
of Philosophy degree.

Instructional Materials

00–2 Library Research Methods. Introduction to the use of library materials n graduate research. Includes a survey of scholarly publishing and the use f reference works in various subjects.

03–4 School Library Functions and Management. Effective library services n relation to the educational objectives of elementary and secondary school rograms: organization, supervision, finance, housing, equipment, standards, nd evaluation.

05–4 Library Materials for Children. Study of the aids, methods, and criteria or the selection and use of books and other instructional materials for chil- ren in the elementary schools.

06–4 Library Materials for Adolescents. A study of the aids, methods, and riteria for the selection and use of books and other instructional materials or students in the high school.

07–4 Basic Reference Sources. Evaluation, selection, and use of reference ources for elementary and secondary school libraries. Principles and methods f reference service.

10–4 Public Library Administration. The administration of municipal, county, nd regional libraries, both large and small, with emphasis on meeting the eeds of different types of communities.

13–4 Cataloging Non-Book Materials. The classification, cataloging, prepara- on and circulation of all types of non-book material such as films, filmstrips, ides, realia, etc. Prerequisite: 308.

17–4 Audio-Visual Learning Methods in Education. Selection and utilization instructional materials in the learning environment, elementary through dult levels. Audio and visual materials and procedures are emphasized with me attention given to bibliographies and reference books for teachers.

20–4 School Library Activities and Practice. Supervised practice and obser- ation integrated with instruction in the typical activities of school librarian- hip; storytelling, publicity, developing units of library instruction, and work ith students. Prerequisites: 308, 403, 405, or 406 and 407.

40–2 Photography for Teachers. Techniques of picture-taking and the prepa- ation of color slides of community resources for use in classroom instruc- on and for school public relations.

45–4 Preparation of Teacher-Made Audio-Visual Materials. Laboratory prac- e in the preparation of bulletin boards, opaque materials, models, slides, cordings, feltboards, and other graphic materials. Prerequisite: 417 or con- nt of instructor.

48–4 Supervision and Administration of an Audio-Visual Program. Provides ofessional information and training for anyone who has administrative re- onsibilities for an audio-visual program. For teachers, coordinators, or di- ctors. Prerequisite: 417 or consent of instructor.

50–4 Classroom Teaching with Television. Classroom utilization of open and osed circuit television. Emphasis is placed on the changed role of the class- om teacher who uses television. Evaluation of programming, technicalities ETV, and definition of responsibilities are included. Demonstration and a ur of production facilities are provided.

57–4 Radio and Television in the Classroom. Educational programs and their lue to the teacher in the classroom. Sample tapes of radio programs and nescopes are used.

58–4 The Medium of the Motion Picture. A study of the full range of ex- ession by motion pictures including documentary, theatrical, educational, perimental, and industrial films. Representative films are screened.

60–4 Programming Automated. The principles and practice of writing both ear and intrinsic types of programmed instruction with emphasis on pic- rial and performance branches. Individual experience in planning and pro- cing programs.

65–3 Literature of the Humanities. Book selection and reference. Emphasis literature, philosophy, music, and art. The philosophy and techniques in- lved in using major reference tools efficiently in the library. Prerequisite: structional Materials 407.

66–3 Literature of the Social Sciences. Book selection and reference in the lds of history, political science, economics and business, sociology, anthropol-

ogy, and other closely related fields. Includes basic terminology, structure literature, and problems of bibliographical control and information retriev Prerequisite: 407.

510–4 Mass Communications in Education. The use of mass media in t classroom. Includes radio, TV, comic books, newspapers, magazines, moti pictures.

514–4 Survey of Research and Development in Instructional Materials. A vanced readings in research in instructional materials and the practical a plication of findings. Prerequisites: 405, 406, 417 or consent of instructor.

523–4 Seminar on Junior College Librarianship. Problems of particular s nificance to the junior college librarian: organization, materials, responsibi ties, standards, and evaluation.

530–4 History of Books and Libraries. The evolution of the printed book a the rise and development of modern libraries.

546–4 Integration of Audio-Visual Materials in the Classroom. Selection materials on the basis of curricular needs. Techniques of evaluating ea type of audio-visual material for use in the classroom. Structured for bo the audio-visual administrator and the class room teacher. The princip and practices of integrating audio-visual materials into the curriculum a discussed, also the problems, annotations and classification of evaluated m terials. Prerequisites: 417, or consent of instructor.

547–4 School Film and Filmstrip Production. Simplified techniques for tea ers and audio-visual coordinators who may need to produce school-made fil and filmstrips to meet local school problems. Prerequisites: 417 and 440 consent of instructor.

549–4 Visual Learning. Learning from pictures in the classroom, the desi of still and moving pictures, pictures used in testing perception, and the pla of pictures in advertising and communication. Prerequisite: consent of structor.

554–4 Administration of an Instructional Materials Center. Based on t concept of a single agency in the school that encompasses all forms of structional materials. It is designed to further the training of specialists the supervision and administration of integrated audio-visual and library p grams. Prerequisite: 403.

560–4 Seminar in Instructional Materials. Designed to give advanced gradu students an opportunity to investigate and discuss topics in instructional m terials before the seminar group. Topics selected would depend on backgrou and interest of individuals. Prerequisite: consent of instructor.

576–2 to 8 Problems in Instructional Materials. Opportunity for individ study of selected problems. Prerequisite: consent of instructor.

599–5 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degr

600–1 to 48 Dissertation.

Journalism

401–3 International Journalism. A study of the history, development, curr status, and implications of the press and news services of other countries a their relationship to the international communications system.

420–4 2 to 4 High School Journalism Workshop. For public school teach

421–4 School Publications. Designed for the prospective journalism teac or high school publications director. Deals with practical production proble of newspapers and yearbooks.

422–3 Teaching High School Journalism. Teaching methods of journalism secondary schools, organization and course of study, bibliography, use journalism courses for school publications production.

432–3 Foundations of Mass Communications Theory. Construction of c munication theory, development of communication models, and relation empirical investigations to theories of mass communication.

433–6 (3,3) Research Theory and Design. (a) Research design, sample se tion, and methods appropriate to field, experimental, and survey resea (b) Research Methods. Series of research projects utilizing a variety of search methods. Class discussion precedes and follows each project.

421–4 School Publications. Designed for the prospective journalism teac or high school publications director. Deals with practical production pr lems of newspapers and yearbooks.

42–3 The Law of Journalism. Legal limitations and priviliges affecting communications; fair comment, criticism, contempt of court, right of privacy, copyright, and legal provisions affecting advertising.
45–4 Specialized Writing. Researching and writing about areas of special interest such as education, mental health, and home economics. Prerequisite: consent of instructor and chairman.
49–2 to 8 Practicum. Study, observation, and participation in publication supervision. Work required on **The Daily Egyptian** newspaper.
79–3 Role of Advertising in our Society. An exhaustive analysis of the literature covering such topics as: definitions and scope of advertising; advertising and the press; advertising as a social and economic force; evaluation of advertising; and advertising policies as related to the practices of specific business firms.
03–3 Publicity Methods II.
05–3 Book Reviewing. Theory and practice in reviewing modern books; study of newspapers and magazines devoted entirely or in part to this type of journalism.
09–3 Summer Workshop in News Analysis in the Classroom. A study of the relationship of the newspaper to other high school coursework. Time spent developing ways of integrating the newspaper in the classroom.
31–3 Literature of Journalism. Critical reading of selected books relating directly and indirectly to journalism. Lectures, reviews, and discussions comprise the course work.
40–2 Seminar in Press Freedom. Observation of the comment function performed by the daily newspaper as related to current issues; role of the editorial writer, syndicated columnist, and cartoonist.
41–3 Seminar: Public Relations. Problems in formulation of public relations policies. Emphasizes fact finding, determination of objectives, orientation of plans toward specific publics, execution, and evaluation. Prerequisite: 431.
42–4 Seminar: Mass Communication Theory. Individual exploration of some aspect of mass communication theory. Students construct communication models of their own design and test them.
43–1 to 4 Research Problems in Journalism. Individual work on selected problems for research.
50–3 Philosophy of Journalism. A study of journalistic ethics with emphasis on concepts of freedom and responsibility and the development of journalistic standards. Consideration of the responsibility of press in modern society.
55–3 Studies in Journalism History. A critical analysis of the literature in the context of the social and intellectual history of the times.
60–3 Seminar in Journalism History. Analysis of and prictice in scholarly writing in the field of journalism history.
65–0 Graduate Seminar. Discussions of matters relating to graduate study, research, departmental and university requirements. Guest lecturers will discuss their research activities and areas of general interest to journalism graduate students. Required each quarter for all journalism graduate students.
599–1to 8 Thesis. Minimum of 5 hours to be counted toward a master's degree.
600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the Doctor of Philosophy degree.

Management

340–4 Organizational Behavior I. The study of human problems in administration; individual, group, intergroup, and organizational behavior under dynamic environment conditions. Theory and case analyses. Prerequisite: 300, GSB 201b,c, GSD 110 or equivalent.
430–4 Organizational Behavior II. A study of classical and modern theories concerning complex organizations. Particular emphasis on processes and issues of dividing work, achieving coordination, and organizational change and adaptation. Prerequisite: 340, 430, or consent of instructor.
440–4 The Management Process. Analysis of management theories and the administrative process. Specific managerial activities are analyzed and discussed. Functional relationships in administered organizations are explored. Restricted to Master of Business Administration students.
450–4 Methods of Quantitative Analysis. Introduction to modern mathematical technologies applicable to solving business problems. Includes differential

calculus, matrix algebra, and probability theory. Not open to students wh have taken Mathematics 150a or equivalent.

452–4 Business Operations Analysis. Analysis of business operations ar management problems emphasizing problem formulation, performance mea ures, decision criteria and various mathematical models and their applicatio linear programming, game theory. Prerequisite: 340; 451; or Mathematics 150 or equivalent; or consent of instructor.

460–4 Work Measurement For Wage and Salary Control. Research desi and methodology for wage and salary administration in an organizatio fundamental considerations in evaluating jobs and positions; compensati methods and wage incentive systems. Prerequisite: 385.

474–4 Management Responsibility in Society. Analysis of the political, soci and economic environments in which the manager must function and t manner in which the executive has both adapted to and influenced his enviro ment. Prerequisite: 340, senior standing, or consent of instructor.

479–4 Problems in Business and Economics. (Same as Economics 479.) A plications of economic theory and tools of analysis to practical business pro lems. Cost and demand functions are analyzed from a policy standpoint. Pr requisite: 340, Economics 215, 308, or 408, or equivalent; Marketing 301 equivalent; senior standing; or consent of instructor.

480–4 Recent Problems in Labor Law. Social, economic, and legal evaluati of recent labor problems, court decisions, and legislation. Concern is on lon run legislative impact on manpower planning, dispute settlement, and utiliz tion of employment resources. Prerequisite: Finance 371, or Economics 3 or Government 395, or consent of instructor.

481–4 Administrative Policy. Integration and analytical application of busine core courses to comprehensive business cases. Emphasis on policy issues the identification and resolution of business problems. Methods of providi simulated experience such as business gaming will be used where appropria Prerequisite: 340, Finance 320, Marketing 301, or equivalent.

483–4 Advanced Production Management. Internal problems of manager control of production including recent developments in theory and techniqu case material will be utilized for the development of analytical ability. Pr requisite: 380.

485–4 Problems in Personnel Management. Analysis of problems in personn administration arising from the current developments in organization. I cluded are case problems, special reports, and personnel practices. Prerequisit 361, 385; Economics 308 or 408.

499–1 to 8 Special Topics in Management. Utilizes special faculty resourc Prerequisite: 16 hours in business and consent of chairman.

Marketing

401–4 Problems of Retailing. Emphasis application of managerial marketi concepts to the solution of typical retailing problems. Prepared retail ma agement cases are analyzed along with individual reports on current retaili problems. Prerequisite: 363.

438–4 Sales Management. Developing and training a sales force. The differe types of sales forces. Managing sales functions: determining salesmen's t ritories, quotas, compensation. Budget preparation. Development and imp menting the merchandise plan. Prerequisite: 363.

439–4 Industrial Marketing Management. Designed to give an over-all vi of the field of Industrial Marketing. Additional emphasis to be placed decision criteria. Prerequisite: 363.

450–4 Introduction to Managerial Marketing. Designed to give an over- view of the field of marketing and the field of marketing policy decisio Cases are used to illustrate theory covered. Prerequisite: Restricted to Mas of Business Administration students.

452–4 Physical Distribution Management. Integration of physical distributi activities of the firm into a system. Transportation and location as eleme of the system. Inventories and service as constraints upon the system. Planni operation, organization, and management of the system. Prerequisite: 3 Economics 215.

463–4 Advertising Management. A study of advertising from the viewpo of business management. Problems of integrating advertising into market

programs and related advertising issues are emphasized. Prerequisite: 363.
390–4 Marketing Research and Analysis. A nonmathematical development of the basic procedures, methods, and theory underlying analysis of primary and secondary market data. Prerequisites: 325, or 450 and statistics.
393–4 Marketing Policies. A comprehensive and integrative view of marketing policy formulation. Marketing decisions analyzed and discussed. Prerequisite: 301, 363, and 390.

Mathematics

400–3 History of Mathematics. An introduction to the development of major mathematical concepts. Particular attention given to the evolution of the abstract concept of space, to the evolution of abstract algebra, to the evolution of the function concept, and to the changes in the concept of rigor in the development of mathematics from 600 B.C. Prerequisite: 320a or consent of instructor.
410–16 (4,4,4,4) Statistical Analysis. For students in fields using statistical methods but who are not required to take calculus. Includes **(a)** elements of probability, estimation, and testing hypotheses; **(b)** the general linear model (multiple linear regression, analysis of variance, analysis of covariance) and nonparametric statistics; **(c)** design of experiments; **(d)** sample survey techniques. May not be used to satisfy requirements for a mathematics concentration. Three lectures and 2 laboratory hours per week. Must be taken in either a,b,c,d or a,b,d,c sequence. Prerequisite: GSD 108c or 114b.
419–6 (3,3) Algebraic Structures. A study of the properties of such basic algebraic structures as groups, rings, fields. Must be taken in a,b sequence. Prerequisite: 301 or consent of department.
421–6 (3,3) Linear Algebra. The theory of determinants and systems of linear equations; vector spaces, linear independence, bases, dimension; linear transformations, change of base, similarity; quadratic and Hermitian forms, orthogonal, and unitary transformations; triangular and diagonal form; eigenvalues and eigenvectors; normal matrices; nilpotent and idempotent matrics, the spectral theorem. Must be taken in a,b sequence. Prerequisite: 252b.
425–3 Theory of Numbers. Selected topics from number theory. Prerequisite: 325 or consent of instructor.
426–6 (3,3) Mathematical Logic. A formal development of the classical propositional calculus and functional calculi of first and second order from the primitive basis. Consistency and completeness. Validity and satisfiability. Must be taken in a,b sequence. Prerequisite: 301 or consent of department.
428–6 (3,3) Boolean Algebra and Switching Theory. An introduction to Boolean algebra with applications to switching circuits, set theory, and logic; Boolean functions and canonical forms; Boolean rings and algebras; linear graphs; partially ordered sets and lattices; theory of simplification and design of combinational and sequential circuits. Must be taken in a,b sequence. Prerequisite: 320a or consent of instructor.
430–4 Projective Geometry. Introduction to the fundamental concepts of projective geometry. Topics usually include the study of conics, polar systems of conics, homogeneous coordinates, cross-ratio, harmonic sets, duality, projectivities, and involutions. Prerequisite: 252a or consent of instructor.
433–6 (3,3) Introduction to Topology. Topological spaces, continuity and homeomorphisms, construction of topologies, separation, compactness, connectedness, completeness. Must be taken in a,b sequence. Prerequisite: 301 or consent of department.
440–2 to 4 [1] Modern Algebra for Teachers. An introduction to algebra as a logical system, including groups, rings, and fields. Prerequisite: consent of instructor.
442–2 to 4 [1] Survey of Geometry. A survey of geometry, including projective geometry, topology, etc. Prerequisite: consent of instructor.
444–2 to 4 [1] Sets, Functions, and Relations. Basic ideas of sets, set algebra, elementary logic, relations and functions, graphing. Prerequisite: consent of instructor.
445–2 to 4 [1] Fundamental Concepts of Calculus. A careful study of the basic

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concepts of calculus, offered as part of the special graduate program fo secondary school teachers. Prerequisite: consent of instructor.

452–9 (3,3,3) Advanced Calculus. Fundamental concepts of analysis: limit continuity, differentiation, and integration. Major topics include partial di ferentiation, vector analysis, Riemann-Stieltjes integrals, multiple integral infinite series, improper integrals, uniform convergence, Fourier series, an line and surface integrals. Must be taken in a,b,c sequence. Prerequisite: 252

455–9 (3,3,3) Advanced Mathematics for the Physical Sciences. Introductio to complex variable theory with applications, operational calculus (Laplac and other transforms), vector field theory, and partial differential equation May be taken individually or in any sequence. Prerequisite: 305b or conser of instructor.

460–4 Modern Geometry. Advanced topics in Euclidean geometry by th synthetic method. Topics include the nine-point circle, Simson line, theorem of Ceva and Menelaus, coaxal circles, harmonic section, poles and polar similitude, and inversion. Prerequisite: 20 hours of college mathematics.

475–9 (3,3,3) Numerical Analysis. Introduction to approximation methods ir cluding finite differences and interpolation; numerical differentiation an quadrature; least squares approximation; numerical solution of linear an non-linear systems; numerical integration of systems of ordinary and partia differential equations. Emphasis upon error analysis throughout. Must b taken in a,b,c sequence. Prerequisites: 305a or 252b and consent of instructo

480–9 (3,3,3) Probability. Introduction to probability theory. Includes th algebra of probabilities; discrete and continuous distributions, limit theorem generating functions, and some elements of stochastic processes. Must b taken in a,b,c sequence. Prerequisite: 252b.

483–9 (3,3,3) Introduction to Mathematical Statistics. A mathematical de velopment of the elements of statistical theory. (a) Probability distribution generating functions, and limit theorems. (b) Statistical inference: estimatio tests of hypotheses, general linear hypothesis. (c) Design of experiments— mathematical model approach. Must be taken in a,b,c sequence with th exception that 480a, 421a, and consent of instructor may replace 483a. student will not be allowed university credit for both 480a and 483a. Pr requisite: 252b.

501–9 (3,3,3) Real Variables. A basic course in mathematical analysis. (a,b The real number system; fundamental theorems in limits and continuity open, closed, compact, and connected sets in Euclidean and metric spaces; th Riemann and the Riemann-Stieltjes integrals and functions of bounded varia tion; infinite series; uniform continuity; uniform convergence of series an improper integrals; arcs and curves; implicit function theorem; multip integrals. (c) The general theory of measure and integration from an al stract point of view. Additive classes of sets, Borel sets, measurability, measu and outer measure; integrable functions, convergence theorems; absolu continuity and the Radon-Nikodym theorem; Fubini's theorem. Must be take in a,b,c sequence. Prerequisite: 452c.

505–9 (3,3,3) Theory of Ordinary Differential Equations. Existence and uniqu ness theorems; general properties of solutions; linear systems; geometr theory of nonlinear equations; stability and control theory; self-adjoint boun ary problems; oscillation theorems. Must be taken in a,b,c sequence. Pr requisite: 501b and 421a or consent of instructor.

507–9 (3,3,3) Partial Differential Equations. Classification of partial differenti equations; separation of variables; elementary solutions of the heat and wa equations; potential theory; n-dimensional parabolic operators. Must be take in a,b,c sequence. Prerequisite: 452c.

510–4 Foundations of Mathematics. A critical survey of the logical basis mathematical systems. Deductive processes, mathematical proof theory, axi matics, nature of model systems, principles of theory construction, views co cerning the nature of mathematics. Prerequisites: 252b or consent of instructo

520–9 (3,3,3) Modern Algebra. Topics from group theory, ring theory, an field theory; including Sylow theorems, solvable groups, nilpotent groups, rin with descending and ascending chain conditions, elementary divisor theore for R–modulus, Galois theory, and cyclotomy. Must be taken a,b,c sequenc Prerequisite: 419 or consent of instructor.

522–3 to 18 Advanced Topics in Algebra. Group representations, homologic algebra, algebraic geometry, algebraic numbers. Prerequisite: 520b.

528–9 (3,3,3) Theory of Automata. Sequential machines: finite vs. infinit

complete vs. incomplete, deterministic vs. stochastic; submachines; strong connectivity; equivalence of states and machines; state minimization; experiment theory; realization and decomposition. Monadic algebras and automata: representation by equivalence and congruence relations; regularity of sets of sequences; representation by semigroups; source, primary and cycle; automata homomorphisms, characterization of automorphisms on automata; automata-representation of groups; quotient automata. Must be taken in a,b,c sequence. Prerequisite: 428b.

530–9 (3,3,3) Point Set Topology. Topological spaces; denseness, category; open, closed sets, Borel sets; separation axioms; subspaces; continuity; lattice of topologies; countability axioms; connectedness, compactness, local properties; regularity to complete normality. Hilbert space, metrizable spaces; extension theorems; well-ordering; product spaces. Must be taken in a,b,c sequence. Prerequisite: 433b or consent of instructor.

531–6 (3,3) Algebraic Topology. Abstract complexes and polyhedra; chains and cochains; homology and cohomology of polyhedra; simplicial functions; simplicial approximation; induced homomorphisms; Eilenberg-Steenrod axioms; singular homology theory. Must be taken in a,b sequence. Prerequisites: 530a and 520a.

532–3 to 18 Advanced Topics in Topology. Materials to be selected from special areas of topology; such as topological groups, topological dynamics, and uniform spaces. Prerequisite: 530b.

536–3 Differential Geometry. Curvature, torsion, the Frenet formulas, and intrinsic equations of curves in three-dimensional Euclidean space; applications to kinematics. Curves on a surface; first and second fundamental forms; normal sections and Meusnier's theorem; mean and total curvature. Prerequisite: 452c.

540–4 [1] **Groups and Linear Transformations.** A study of groups with their connection with the movements of regular plane figures, matrices, vectors, determinants with their interpretation and use in analytic geometry, and ruler and compass constructions. Prerequisite: 440 or equivalent.

543–4 Probability for Teachers. An introduction to the basic concepts of probability theory. Major topics include algebra of events, probabilities in a finite sample space, conditional probabilities and stochastic independence, random variables and their distribution, mathematical expectation, standard deviation, covariance, special distributions. This course is open to candidates for the Master of Science in Education degree in mathematics, to National Science Foundation Institute participants, and to those who have received the consent of the chairman of the Department of Mathematics or the director of the Institute.

545–4 [1] **Intermediate Analysis for High School Teachers.** A rigorous development of differentiation and integration of continuous real functions. Topics include sequences, series, limits, real continuous functions, integrable functions on a closed interval. Prerequisite: consent of instructor.

548–2 to 4 [1] **Trends in School Mathematics.** For secondary school mathematics teachers dealing with current developments in mathematics instruction at the elementary and secondary levels. Prerequisite: consent of department.

550–1 to 10 Seminar. Supervised study and preparation of reports on assigned topics. Reports presented for class discussion. **(a)** Algebra. **(b)** Geometry. **(c)** Analysis. **(d)** Probability and Statistics. **(e)** Mathematics Education. **(f)** Logic and Foundations. **(g)** Topology. Prerequisite: consent of instructor.

551–9 (3,3,3) Functional Analysis. The theory of linear transformations between infinitely dimensional topological vector spaces, including Banach and Hilbert spaces, with various applications. The basic notion for the study is that of a functional or continuous scalar-valued linear transformation. Must be taken in a,b,c sequence. Prerequisites: 501c and 421b.

552–3 to 18 Advanced Topics in Analysis. Abstract harmonic analysis, uniform asymptotic distribution model of sequence, several complex variables, summability methods. Riemann surfaces. Prerequisite: 501c.

555–9 (3,3,3) Complex Variables. Classical and modern analytic function theory, including Cauchy-Riemann equations, Cauchy-Goursat theorem, conformal mapping, normal families, Reimann mapping theorem, calculus of

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residues, analytic continuation, Riemann surfaces, entire functions. Must b taken in a,b,c sequence. Prerequisite: 452c.
560–6 (3,3) Calculus of Variations. An introduction to the basic concepts an techniques of the calculus of variations including the classical necessary co ditions for an extremum of a functional, general end point conditions, th second variation, fields, sufficiency conditions, and applications. Must be take in a,b sequence. Prerequisite: 452c.
580–9 (3,3,3) Mathematical Methods of Statistics. A presentation of probabilit and statistical inference based on an axiomatic and employing advance mathematical concepts. Topics include the theory of measure and integratio in R_n , foundations of probability, random variables and distributions in R_n sampling distributions, tests of hypotheses, theory of estimation. Must b taken in a,b,c sequence. Prerequisite: 452c.
592–2 to 4 [1] **Research in Mathematics Education.** Critical study of researc papers in the field of secondary mathematics education. Training in researc and writing techniques as they pertain to the secondary mathematics progra Prerequisite: consent of chairman.
595–1 to 10 Special Project. An individual project, including a written repo **(a)** in algebra; **(b)** in geometry; **(c)** in analysis; **(d)** in probability an statistics; **(e)** in mathematics education; **(f)** in logic and foundations; **(g)** i topology.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward the Mast of Arts degree.
600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the Doct of Philosophy degree.

Microbiology

401–1 Seminar.
403–5 Medical Bacteriology Lecture. A general survey of the mechanisms infection, epidemiology, and immunity and the specific application of the principles to the symptomatology, diagnosis, treatment, and control of th more common bacterial infections of man. Prerequisite: 302.
404–2 Medical Bacteriology Laboratory. Procedures for the collection an handling of medical specimens for microbial examination and for cultivatio and identification of the pathogenic organisms by their morphological, bi chemical, and serological characteristics. Five hours laboratory. Prerequisit or corequisite 403.
421–3 Microbiology of Foods Lecture. The relationships of micro-organism to the preparation and preservation of foods with consideration of the law governing sanitation, chemical preservatives, and fair dealing of the foo producer. Three hours lecture. Prerequisite: 301.
422–2 Microbiology of Foods Laboratory. Methods for preservation, sanita inspection, and microbiological examination of foods. Four hours laborator Prerequisite: or corequisite 421.
423–3 Industrial Fermentation. The application of the chemical activities microorganisms to the industrial production of beverages, foods, antibiotic and various commercial chemical products. Prerequisite: 301 and organ chemistry.
425–3 Biochemistry and Physiology of Microorganisms. The chemical basis physiological functions in microbial cells. Prerequisites: 301 and organ chemistry.
426–3 Biochemistry and Physiology of Microorganisms. 4 hours laborator Prerequisite: 301 and organic chemistry.
441–3 Virology Lecture. General properties; classification and multiplicatio of bacterial and animal viruses; lysogeny; immunological and serologic reactions; relation of viruses to cancer; and consideration of selected vir diseases of animals. Four hours lecture. Prerequisite: 302.
442–3 Virology Laboratory. Tissue culture methods, multiplication and assa of animal and bacterial viruses, purification, electron microscopy, interferenc immunity. Six hours laboratory. Prerequisite: or corequisite 441.
451–3 Immunology Lecture. Antigens, antibodies, and antigenantibody rea

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ons in vitro and in vivo, natural and acquired immunity. Four hours lecture. rerequisite: 302.

52–3 **Immunology Laboratory.** Natural defense mechanisms and immune esponse, preparation of antigens and antibodies, serologic reactions, con- ugated antibodies, electrophoresis, anaphylaxis. Six hours laboratory. Pre- equisite: or corequisite 451.

60–3 **Genetics of Bacteria and Viruses Lecture.** Genetic mechanisms, muta- on, transformation, recombination, transduction, lysogeny, phenotypic mix- ng, and reactivation phenomena. Three hours lecture. Prerequisite: 302.

61–3 **Genetics of Bacteria and the Viruses Laboratory.** Genetic mechanisms, utation, transformation, recombination, transduction, lysogeny, phenotypic ixing, and reactivation phenomena. 6 hours laboratory. Prerequisite: or requisite 460.

62–3 **Fungal Genetics Lecture.** Mendelien and molecular genetics of neuro- ora and yeast. Mutant induction, sexual crosses, tetrad analysis, linkage, nd mapping. Prerequisite: Biology 305.

63–3 **Fungal Genetics Laboratory.** Six hours laboratory. Prerequisite: or requisite 462 and consent of instructor.

90–1 **Seminar.**

92–4 (2,2) **History of Genetics.** Critical examination of the development of netic thought. Prerequisite: consent of instructor.

93–2 **Cytology of Microorganisms.** Problems involved in the behavior of romosomes at meiosis with special consideration of genetical data. 2 hours cture.

94–5 **Methods of Microbiological Research.** The recognition and plan of tack upon unsolved problems in microbiology. 3 hours lecture and 4 hours boratory.

1–1 to 15 Research.

5–3 Biochemistry and Physiology of Microorganisms. A continuation of 425. hours lecture.

6–3 Biochemistry and Physiology of Microorganisms. A continuation of 426. hours laboratory. Prerequisite: 426.

8–1 to 10 Readings in Microbiology. Supervised readings for qualified grad- te students.

1–6 Advanced Virology. Interactions between bacterial and animal viruses d their host cells; sequential synthesis of macromolecular components of uses; synthesis of interferon; experimental carcinogenesis; genetic recombi- tion among viruses. Three hours lecture, 6 hours laboratory. Prerequisite: 1.

2–3 Molecular Virology. Interaction at the molecular level between tumor- nic and nontumorigenic DNA and RNA viruses and host cells, biochemical alysis of the growth cycle, uncoating, synthesis of virus-specified messenger NA, enzymes and structural proteins, replication of viral nucleic acid, and turation. 3 hours lecture. Prerequisite: 541.

2–3 Molecular Genetics. Fundamentals including discussions of current re- arch on replication, transcription, translation, mutation, suppression, repres- n, and their interaction and interdependence. Prerequisite: 425.

–3 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

–3 to 48 Dissertation. Minimum of 36 hours to be earned for the Doctor Philosophy degree.

Music

–9 (3,3,3) Music Literature. (a) Symphonic: A study of the development the symphony and the symphonic poem. (b) Choral: The literature of the ger vocal forms such as the cantata and oratorio. (c) Chamber Music: dy of chamber music from the Renaissance to the present.

–2 to 6 Collegium Musicium. Practicum in the preparation and performance music from early times to the classical period. Prerequisite: Music major /or consent of the department.

–1 to 3 Music Education Practicum. A shop-laboratory course dealing with selection, adjustments, maintenance, and repair of musical instruments. requisite: consent of instructor.

–2 Stage Band Arranging. The study and analysis of jazz harmony, melody, rhythm as applied to modern instrumentation. Workshop wherein arrange- nts are written and played. Prerequisite: 309a.

431–2 Organization and Development of the High School Stage Band. Th relationship of the stage band to the overall music program; instrumentatior sources of music; types of presentations; rehearsal techniques; study of th effective application of dynamics, phrasing, intonation, and balance for im proved performance. Prerequisite: 430.

440–1 to 4 Private Applied Music.

a. Violin
b. Viola
c. Violoncello
d. String Bass
e. Flute
f. Oboe
g. Clarinet
h. Bassoon
i. Saxophone
j. Percussion
k. Piano
l. French Horn
m. Trumpet
n. Trombone
o. Tuba
p. Baritone
q. Voice
r. Organ
s. Harpsichord
t. Harp

Applied music for graduate credit is offered at the 400 and 500 levels in tl areas listed above. Credit is given at 1 to 4 hours per quarter on each lev May be repeated each quarter of graduate study. Students with majors performance usually take 4 hours per quarter at the 500 level; majors music education and all minors usually take 2 hours at the 400 level. Pr requisite for 440 and 540: audition or consent of instructor.

441–6 (2,2,2) Counterpoint. (a) 16th Century Counterpoint. Species counte point and creative writing in the style of Palestrina and his contemporari Prerequisite: 205c or consent of instructor. (b) 18th Century Counterpoi Analysis and creative writing in the contrapuntal-harmonic technique Bach and his contemporaries. Prerequisite: 205c or consent of instructor. (Canon and Fugue. Analysis and creative writing of the larger imitative forn Prerequisite: 441b.

444–6 (2,2,2) Intermediate Composition. Required of undergraduates wi concentration in theory-composition, culminating with original works in cc temporary idioms. Taught by individual instruction. Prerequisites: 312c a consent of department.

451–3 Teaching of General Music, Secondary School.

453–3 Choral Materials and Techniques. Demonstration and performance choral rehearsal procedures; developing tone, diction, blend, and balan concert production; performance of selected choral materials appropriate junior and senior high school. Prerequisite: consent of instructor.

454–3 Instrumental Materials and Techniques. Demonstration and perfor ance of instrumental music rehearsal procedures; developing tone, articulati blend, and balance; concert production; performance of selected choral n terials appropriate for junior and senior high school. Prerequisite: cons of instructor.

455–2 to 6 Elementary Music Education Workshop.

461–2 Teaching Techniques and Materials for the Beginning and Intermedi Levels. Designed to meet the needs of applied students in which the proble of private studio teaching and college level teaching are discussed.

462–2 Teaching Techniques and Materials for the Advanced Student. Desig to meet the needs of applied students in which the problems of private stu teaching and college level teaching are discussed. (Continuation of Music 46

465–9 (3,3,3) Development and Teaching of Strings. Place and function string education in the elementary and secondary schools. Techniques heterogeneous and homogeneous string teaching. Developing and sustain interest in the string program. Resource aids. Prerequisite: senior stand

468–2 to 12 Music Productions. Study of the techniques involved in stag operas and musicals.

471–6 (3,3) Ethnomusicology. (Same as Anthropology 471.) A survey of the method, and form in ethnomusicology, with concentration on selected graphical areas. (a) Oceania, Asia, and Africa. (c) Middle East, Europe, the New World.

481–2 to 6 Readings in Music Theory.

482–2 to 6 Readings in Music History and Literature.

483–2 to 6 Readings in Music Education.

499–1 to 12 Independent Study. The capable student engages in original vestigations with faculty specialists. May be repeated for credit. Prerequi consent of instructor.

501–3 Introduction to Graduate Study in Music. Basic bibliographical

istorical research techniques in music theory, literature, and education.
02–6 (2,2,2) **Analytic Techniques.** Analysis of representative works chosen rom the Baroque, Classical, Romantic, and Modern eras.
03–3 to 4 **Objective Research Techniques in Music Education.** Theory, techiques, and procedures of evaluating music aptitude and achievement; survey f current research investigations in music education. A minor original reearch project is required.
04–3 **Music of the Middle Ages and Renaissance.** Sacred and secular monody rom its beginnings; the rise of polyphony; the development of instrumental nd vocal forms in the Middle Ages and Renaissance.
05–3 **Music of the Baroque Period.** Opera, oratorio, cantata, and instrumental usic in the period 1600 to 1750; the development of vocal and instrumental rms culminating in the works of Bach and Handel.
06–3 **Music of the Classical Period.** Development of opera, the symphony, e sonata, and chamber music in the 18th and early 19th century with parcular emphasis on Haydn, Mozart and Beethoven.
07–3 **Music of the Romantic and Impressionistic Periods.** Development of pera, the symphony, the symphonic poem, the sonata, and chamber music the 19th and early 20th centuries. Rise of nationalism and impresonism.
08–3 **Music of the Twentieth Century.** The heritage of 20th century music; udy and analysis of musical philosophies of contemporary composers.
09–3 **The History and Philosophy of Music Education.** A study of the hisrical and philosophical evolution of music education and the identification current forces, issues and trends influencing the profession.
12–3 **History of Opera.** The development of opera as a form, with a detailed udy of operas since 1600.
15–3 **20th Century Literature.** A survey of contemporary music in Russia, estern Europe, and the Americas in its relation to sociology, political, and ltural developments.
18–3 **Pedagogy of Music Literature.** Principles of teaching music literature d music appreciation courses at the college level.
22–3 **Seminar: Music History and Literature.** Advanced study in special riods of music history-literature.
31–2 to 9 **Advanced Composition.** Composition in the larger forms for solo d ensemble performance. Prerequisites: 312c, 342c, and consent of instructor. quired of all theory-composition majors 3 hours per quarter; elective credit r majors in other areas.
35–3 **Contemporary Idioms.** Techniques of composition developed during the th century by composers of Europe and America.
40–1 to 4 **Private Applied Music.** (See Music 440).
45–3 to 9 **Pedagogy of Music Theory.** An orientation of the philosophies theory to the problems of pedagogy. Required of all theory-composition jors.
50–3 **Administration and Supervision of Music.**
51–2 to 4 **Organization and Administration of Music—Secondary.**
53–3 **Seminar in Choral Materials and Techniques.**
54–3 **Seminar in Choral Materials and Techniques.**
55–2 to 6 **Advanced Conducting.** Problems in score reading and interpretan. Laboratory conducting of larger ensembles.
59–2 to 4 **Seminar in Music Education.** Trends, current practices, philosophies music education.
56–1 to 12 **Instrumental Ensemble.**
57–1 to 12 **Vocal Ensemble.**
58–2 to 12 **Opera Workshop.** An intensive course in opera for voice majors, luding the study and public performances of scenes and entire operas.
59–6 **Graduate Recital.**
59–3 to 9 **Thesis.**

Philosophy

40–4 **Philosophy of Biology.** Leading concepts of biological sciences: species, olution, life, organism and part, etc. Abstract ideas of biology are related, erever possible, to specific experiments recorded in scientific literature. Prerequisites: 300 or 320, and three laboratory or field courses in the biological nces or consent of instructor.

415–3 Logic of the Social Sciences. Logical and epistemological examinatio of the social studies as types of knowledge. Basic problems in philosophy science with major emphasis upon social science: relationship of theory fact, nature of induction, nature of causal law, testability, influence of valu judgments, etc. Intended for students with considerable maturity in a soci science or in philosophy.
420–4 Advanced Logic. A careful study of symbolic and discursive systen of logic: Aristotle, Spinoza, Boole, Whitehead, and Johnson. Prerequisite 320 and consent of instructor.
428–3 Logic of the Exact Sciences. Critical study of the technical and phil sophical problems associated with formal logic and its uses as a tool for mod construction, for formalizations, reconstructions, and as an image or ration thought. Prerequisite: 426 or consent of instructor.
441–4 Philosophy of Politics. (Same as Government 441.) Some of the centr problems of modern political life, such as sovereignty, world governme authority and consent, the relations of economics and social studies to politic theory. Prerequisite: GSC 102 or 340 or consent of instructor.
443–4 Philosophy of History. Classical and contemporary reflections on t nature of history and historical knowledge as the basis for dealing with t humanities. Prerequisite: consent of instructor.
460–4 Advanced Philosophy of Art. The definition of art, its relations science, culture, and morals; the various types of art defined. Familiarity wi at least one of the fine arts is assumed. Prerequisites: GSC 207 or 360, a six courses in music, painting, sculpture, literature, or drama.
477–4 Latin American Philosophy. A survey of philosophic thought in La America from colonial times through 19th century positivism and the reactic against it, up to recent trends. Reading of original texts in English trans tions. Discussions and reports.
478–4 Seminar in Latin American Thought. (See Spanish 478.)
481–6 (3,3) 19th Century European Philosophy. (a) Kant, Schopenhauer, a Hegel. (b) Nietzsche, Bergson, the Utilitarians, and latter day idealists. M be taken singly and in any sequence.
482–3 Recent European Philosophy. Phenomenology, Positivism, Linguis Analysis, and Existentialism.
490–2 to 12 Special Problems. Hours and credits to be arranged. Courses qualified seniors and graduates who need to pursue certain topics furt than regularly titled courses permit. Special topics announced from time time. Students are invited to suggest topics for individual study and pap or for group study. Prerequisite: consent of instructor.
497–12 (4,4,4) Honors. Topic for each quarter will vary. Enrollment restric to undergraduates. Prerequisite: consent of department.
500–2 to 4 Seminar in Metaphysics. Study of recent writers and current pr lems in metaphysics with the intent of familiarizing the student with traditional problems of the area.
501–2 to 4 Seminar in the Philosophy of Religion. Analysis of a selec problem in philosophical theology or the phenomenology of religion, or the work of a particular thinker. Recent seminars have been on Paul Til and Henry Nelson Wieman.
515–3 Theory of Nature. A critical examination of the presuppositions of Western view of nature as indicating the need for a revision of causal de minism and the reintroduction of freedom into the spatio-temporal wo
530–2 to 4 Seminar in Theory of Knowledge. Examination of a contempo writer or problem in epistemology. Special emphasis is given to the prob of the reliability and structure of scientific knowledge.
540–3 Philosophy of Journalism. (See Journalism 540.)
555–4 Philosophy of Higher Education. (See Higher Education 555.)
570–3 Seminar in American Idealism.
581–2 to 4 Seminar in Plato. A thorough study of several of the dialog Lectures on the system of Plato as a whole, discussions and reports on readings.
582–2 to 4 Seminar in Aristotle. The philosophic ideas of Aristotle. Inter reading of several texts, illustrating widely varied portions of his tho
585–3 Seminar in British Empiricism.
586–2 to 4 Seminar in Spinoza. Analysis of the **Improvement of the Un stanting** and the **Ethics.** Lectures relating Spinoza to the medieval trad and to his contemporaries. Discussions and reports.

387–3 Seminar in Hegel.
388–2 to 4 Seminar in Kant. The three great **Critiques** in their relation to the development of Kant's total philosophy. Intensive study of one of the **Critiques.**
389–2 to 12, 590–2 to 12 General Graduate Seminar. For students having special interests in the history of philosophy and the original systematic development of philosophic ideas. Prerequisite: consent of instructor.
391–1 to 5 Readings in Philosophy. Supervised readings for qualified students. Consent of instructor required.
399–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.
400–3 to 48 Dissertation.

Physical Education

300–4 Evaluation in Physical Education. Historical background of measurement in physical education; selection and evaluation of contemporary testing devices; structure and use of tests; administering the testing program; and interpretation and application of results. Fulfills the tests and measurements course requirements for the Master of Science in Education degree.
302–2 Organization and Administration of Intramural and Extramural Activities. Planning intramural programs of sports; planning and coordinating extramural activities commonly associated with physical education.
303–4 The Adaptation of Physical and Recreational Activities to the Handicapped Individual. Recognition of postural deviations; devising and planning programs for the physically atypical.
304–2 to 4 The Teaching of Sports. Teaching methods, officiating, organization, safety percautions, and selecting equipment for sports.
306–4 Basic Concepts of Physical Education. The place of physical education in the school program, and the concepts underlying the program. (Required for all students not presenting the undergraduate courses 354 or 340.)
307–4 Scientific Basis of Athletic Training. Study of the factors which affect maximum human performance in athletic competition. The knowledge and application of scientific principles in preparing the athlete for maximum performance, in shielding him from possibly damaging sequelae, and in restoring him to maximum performance after injury. Consideration of the kinesiological, physiological, and behavioral factors in athletics. Designed to increase the effectiveness of physical education personnel in teaching and coaching athletics.
308–2 to 4 Physical Fitness—Its Role and Application in Education. Improvement of programs and teaching techniques involved in the development of various aspects of physical fitness. Units on postural status; body weight control; tension factors, causes, and control; exercise tolerance; and general body mechanics and control.
316–4 Current Theories and Practices in the Teaching of Dance. (Same as Theater 416.) History and evolution of dance; place of dance in education.
320–4 Physiologic Effects of Motor Activity. The general physiological effects of motor activity upon the structure and function of body organs; specific effect of exercise on the muscular system. Prerequisite: Physiology 209 or equivalent.
324–2 to 8 Contemporary Dance Workshop. Dance technique and theory, composition, improvisation, and production. Advanced study of the problems of choreography and production in their presentation as theater. Public performance is required. Prerequisite: one year of technique and theory or equilavent.
325–2 to 4 Individual Research. The selection, investigation and writing of a research topic under supervision of an instructor. **(a)** Dance, **(b)** kinesiology, **(c)** measurement, **(d)** motor development, **(e)** physiology of exercise, **(f)** history and philosophy.
350–4 Techniques of Research. Critical analysis of research literature; study of research methods and planning research studies. Prerequisite: 400 or concomitant registration in 400.
351–4 Curriculum in Physical Education. Principals and procedures for curriculum construction and revision; criteria for selecting activities and judging outcomes and the place of the physical education course of study within the total curriculum.

502–4 Foundations of Motor Skills. Application of physiological, kinesiologica and mechanical principles to intelligent control of large-muscle activitie Recommended background: a course in kinesiology.
503–4 Seminar in Physical Education. The course content and its procedur center around group discussions of controversial issues that currently exi in physical education and provide opportunities for practice in seeking u biased solutions to professional problems.
504–4 Problems in Physical Education. Planning, conducting, and reportir original research studies. Prerequisite: 500 or equivalent.
508–3 Administration of Interschool Athletics. Existing problems in inte school athletics, with particular attention to secondary school athletic pr grams.
509–4 Supervision of Physical Education. The functions of supervision physical and health education; basic principles and methods of supervisio Techniques and methods for increasing the effectiveness of the program the elementary and high school levels.
510–4 (2,2) Motor Development. **(a)** Early patterns of motor behavior a the development of physical skills in childhood. **(b)** The development of phys cal abilities during adolescence. Individual differences in motor proficien and factors affecting the acquisition of motor skills. Concepts of motor lear ing with inferences for improving instructional practices.
511–2 Analysis of Human Physical Movement. Basic human movements performed by individuals of different ages will be analyzed, and understan ing of motor development at varying levels of skill in sports and dance w be analyzed.
513–4 Perceptual Motor Learning of Physical Skills. Principles of learni applied to motor performance. Variables that affect learning of physi skills. Prerequisite: consent of instructor.
520–4 Metabolic Analysis of Human Activity. Metabolic principles pertine to human physical performance with emphasis on sport, exercise, and cupational activity analysis. A detailed study of oxygen utilization, oxyg debt, mechanisms of oxygen transport as they relate to physiological hom stasis in localized and total body motor activity. Emphasis on the laborat study of aerobic and anerobic performance. Prerequisite: 420 or equivalent.
525–1 to 6 Readings in Physical Education. Supervised reading in select subjects. Prerequisite: consent of instructor and chairman of department. Op only to last-quarter seniors and graduate students.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degr
600–2 to 48 Dissertation. Minimum of 36 hours to be earned for the Doc of Philosophy degree.

Physics

401–3 Mechanics. Rigid body mechanics, normal coordinates, mechanics f continuous media, and advanced principles. Prerequisites: 301, Mathemat 407.
404–6 (3,3) Physical Electronics. Kinetic theory and statistical mechar with applications to electronic conduction in solids, vacuum, and gases, el tron emission and ballistics; Bose-Einstein and Fermi statistics, electron the of metals; semiconductors; quantum physical phenomena of the solid st Prerequisites: 304, 305, 401 or consent of instructor.
405–3 Electronics. Advanced theory and application of vacuum tubes semiconductor devices as circuit elements in power supplies, oscillators, a lifiers, and shaping circuits. Prerequisites: 305 and 309 or consent of instruc
410–6 (3,3) Introduction to Electromagnetic Wave Theory. A theoretical st of electromagnetic wave generation, propagation, and detection, with appl tions to microwaves and modern optics. Prerequisite: 305, 310.
415–12 (3,3,3,3) Modern Physics. Elements of wave mechanics, special r tivity, atomic, molecular, and nuclear physics. Prerequisites: 301, 305, Ma matics 407 or consent of instructor.
418–1 to 4 Modern Physics Laboratory. Advanced laboratory work with pu and continuous lasers and optical detectors, nuclear magnetic resona nuclear spectroscopy, vacuum techniques, mass and beta spectroscopy, semiconductor physics.

420–2 to 5 Special Projects. Each student is assigned to a definite investigative topic. Adapted to advanced undergraduate students. Prerequisites: 301, 305.

447–5 [1] **Topics in Classical Physics.** Assists experienced teachers to improve their understanding of classical physics and the strategy of presenting it. Emphasis on demonstration of phenomena as basic strategy in the introduction of new material. Attention given to the design of demonstration apparatus. Related laboratory experience is an integral part of the course. Prerequisite: consent of department.

448–5 [1] **Topics in Modern Physics.** Assists experienced teachers to extend their understanding of modern physics. Lectures and demonstrations aim at improvement of the means of presenting the ideas of modern physics. Related laboratory experience is an integral part of this course. Prerequisite: consent of chairman of department.

449–3 [1] **(1,1,1) In-Service Institute for Teachers of Physics.** A series of lectures, demonstrations, discussions, and films to assist teachers of high school physics in meeting their classroom problems and responsibility. Prerequisite: consent of chairman of department.

504–12 (4,4,4) X-Ray Diffraction and Lattice Dynamics. (See Applied Science 504.)

510–9 (3,3,3) Classical Mechanics. Variational principles and Lagrange's equations; rigid body motion; special relativity; canonical equations, small oscillations including non-linear problems; perturbation methods; classical theory of field. Prerequisite: 401.

511–9 (3,3,3) Mathematical Methods of Physics. Elements of theory of analytic functions; differential equations and special functions of mathematical physics; solutions of boundary value problems by Hilbert space expansion. Prerequisite: Mathematics 407 or equivalent, or consent of instructor.

520–2 to 5 Special Projects. Each student assigned a definite investigative topic requiring resourcefulness and initiative. Prerequisite: consent of instructor.

530–9 (3,3,3) Electromagnetic Theory. Maxwell's Formalism of classical electromagnetism, application of electrostatics, magnetostatics, electrodynamics and radiation problems. Prerequisite: 305.

531–9 (3,3,3) Quantum Mechanics. Wave mechanics, matrix mechanics, transformation theory of quantum mechanics; angular momentum, perturbation theory, scattering theory. Prerequisites: 415, Mathematics 407 or consent of instructor.

532–9 (3,3,3) Advanced Quantum Mechanics. Introduction to quantum field theory, with emphasis on the quantum theory of radiation; covariant quantum electrodynamics; special topics, depending on the interests of students. Prerequisites: 531 and consent of instructor.

540–9 (3,3,3) Nuclear Physics. Fundamental properties and systematics of nuclei, scattering theory, the nuclear two body problem, nuclear models, electromagnetic properties of nuclei, particle radioactivity, nuclear reactions, the optical model. Prerequisite: consent of instructor.

[1] Open to teachers of high school physics, to National Science Foundation Institute participants, and to others who have received the consent of the chairman of the Department of Physics or the director of the institute. May count toward the Master of Science in Education degree with approval of the Department of Secondary Education.

550–9 (3,3,3) Atomic and Molecular Spectra. Detailed quantum mechanical treatment of atomic and molecular spectroscopy. Prerequisite: consent of instructor.

560–9 (3,3,3) Statistical Mechanics. Principles of classical and quantum equilibrium statistics; fluctuations; applications to specific problems of physics. Prerequisite: consent of instructor.

570–9 (3,3,3) Solid State Physics. Fundamental concepts in solid state physics from advanced viewpoint, with illustrations drawn from current research. Prerequisite: consent of instructor.

575–1 to 4 Graduate Seminar. Lectures on special topics to be given when a demand arises. Prerequisite: consent of instructor.

580–3 to 6 Selected Topics in Physics. Topics of special interest. Prerequisite: consent of instructor.

592–1 Colloquy in Molecular Science. Required each quarter of all resident

students who have been admitted to advanced study in molecular science Weekly conference on current research and recent literature of the field.
599–1 to 9 Thesis.

Physiology

410–15 (5,5,5) Advanced Anatomy. Dissection of the human body. Primarily for majors in physiology and other biological sciences. Not a premedica course. 2 hours lecture, 6 hour laboratory.
414–4 Anatomy and Physiology of Speech and Hearing Mechanisms. Th anatomy and physiology of the vocal apparatus. Primarily for majors i speech pathology. 3 hours lecture, 2 hours laboratory.
415–8 (4,4) Experimental Animal Surgery. (a) Preparation of animals fo surgery. Anesthesia, instruments, care of animal quarters, selected exercises (b) Special surgical exercises. 2 hours lecture, 4 hours laboratory. Part b ma be elected independently of a only by permission of the chairman.
417–6 (3,3) Principles of Pharmacology. Action of drugs and other chemica substances upon the living organism. Physiological and biochemical event resulting from the action of drugs. Pharmacodynamics, chemo-therapy, toxi cology, and therapeutics. Prerequisites: basic courses in chemistry and bic logical sciences. 2 hours lecture, 2 hours laboratory.
430–12 (4,4,4) Cellular Physiology. The nature and mechanism of the livin cell. Chemical and physical aspects of vital activity. Required for graduat majors in physiology. Recommended for students interested in biochemistr and biophysics. 3 hours lecture, 2 hours laboratory.
433–4 Comparative Physiology. Fundamental physiological processes and th manner in which they vary in various groups of animals. Recommended fc majors in physiology and for students in other biological science. 3 hou lecture, 2 hours laboratory.
440–3 Electron Microscopy. Lectures, demonstrations, and practical exper ence with the electron microscope. Fundamentals of specimen preparatio Open to students with advanced knowledge of any natural or physical scienc 2 hours lecture, 2 hours laboratory.
450–4 to 16 Special Problems in Physiology—Honors. Eight hours laborator Required for undergraduate honors students. Prerequisite: consent of depar ment.
456–4 to 12 Independent Research for Honors. Supervised research and in vestigation in different branches of physiology. Prerequisite: consent of in structor and chairman.
460–12 (4,4,4) Mammalian Physiology. Function and biochemical organiz tion in mammals, especially man. Open to students with adequate courses biological sciences and chemistry. (a) Blood, circulation, respiration. (b) D gestion, excretion, endocrines. (c) Muscles, nervous system sense organs. hours lecture, 4 hours laboratory.
465–6 (3,3) Biophysics. Application of the analytic methods of the physic sciences to physiology. Molecular aspects of control systems governing vit processes. Prerequisite: one year of physics. 3 hours lecture.
471–9 (3,3,3) Biophysical Instrumentation. Principles of electronics, accenti solid state circuit designs that apply to biophysics. Circuit construction f biophysical instruments is included. Prerequisite: 1 year of physics and co sent of instructor.
500–1 to 9 Advanced Seminar. One meeting per week, 1 credit per quarte Formal presentation of research and/or current literature in physiology. R quired of all majors each quarter in residence.
519–3 Experimental Endocrinology. Exercises to familiarize the student wi advanced physiological investigation. Prerequisite: strong background chemistry and the biological sciences. 2 hours lecture, 2 hours laborato
520–9 (3,3,3) Physiological Techniques. Three terms of biophysics. (Analysis of protoplasmic components of tissue extracts under a variety physiological conditions using chemical and physical procedures. (b) G analysis and metabolic methods in physiology. (c) Instrumentation for t recording of the physiologic activity of living tissues and organs. Use channel recorders. Prerequisite: undergraduate concentration in any of t biological or physical sciences. 2 hours lecture, 4 hours laboratory.
521–1 to 6 Readings in Current Physiological Literature. Open only by conse

540–8 (4,4) Advanced Comparative Physiology. Physiological processes among animals. Prerequisites: courses in chemistry and biological sciences. 3 hours lecture, 2 hours laboratory.

550–3 Radiation Biology. Theory and specific applications of isotopes in physiology emphasized, and opportunity given to learn how to handle radioactive materials in the laboratory. 2 hours lecture, 2 hours laboratory. Prerequisites: general physics and biochemistry or equivalent.

565–3 Biophysics. Application of the analytic methods of the physical sciences to physiology. Molecular aspects of control systems governing vital processes. 3 hours lecture. Prerequisite: one year of physics.

599–3 to 9 Thesis. 9 hours to be counted toward a master's degree.

600–1 to 48 Dissertation. Hours and credit to be arranged by chairman. Prerequisite: Admission to advanced study in molecular science.

Plant Industries

301–4 Soil Physics. Physical properties of the soil; factors affecting them, their measurements, evaluation, and their influence in determination of soil productivity. Prerequisite: 301.

302–4 Soil Morphology and Classification. Morphology and soil formation, description and identification of soil profiles, classification of soils, techniques of soil mapping, and interpretation of survey data. Field trips approximate cost $6. Prerequisite: 301.

303–4 Soil Chemistry. Emphasis on inorganic and organic colloids in the soil, ionic exchange, oxidation-reduction processes, acidity, alkalinity, and salinity, and how each relates to plant nutrition and growth.

304–3 Turf Management. Principles and methods of establishing and maintaining turf for homes, recreational areas, and public grounds. Study of basic plant and soil materials, fertility, culture, water management, and pest control as related to turfgrasses in variable environments. Field trips cost not more than $2. Prerequisite: GSA 201b or equivalent.

306–5 Radioisotopes, Principles and Practices. Lectures on the principles of radioisotope technology as applied to agricultural and biological sciences. Prerequisites: biochemistry, physiology, or consent of department.

307–5 (3,2) Fertilizers and Soil Fertility. **(a)** Lecture. The uses of fertilizer materials; effects of various fertilizers on soils and crops; fertility maintenance and soil management. Prerequisite: one course in soils. **(b)** Laboratory. The laboratory study of the chemistry and fertility of soils. Parallels the theoretical presentation given in 407a. Prerequisites: 407a or concurrent enrollment.

308–4 World Crop Production Problems. Ecological and physiological factors influencing reproduction in various areas of the world. Natural limitations on crop production. Nonagricultural factors influencing world crop output.

315–4 Plant Breeding. Principles of plant breeding emphasized together with their application to the practical breeding of horticultural, agronomic, and forest plants. Prerequisite: any course in genetics.

318–4 Weeds and Their Control. Losses due to weeds, their identification and distribution, methods of weed dissemination and reproduction. Mechanical, biological, and chemical control of weeds. "Bioactivity of herbicides." State and federal legislation pertaining to weed control herbicides. Herbicide commercialization. Field trips. Prerequisite: GSA 201b.

319–4 Forage Crop Management. Forage production and utilization; forage crop characteristics, breeding, and ecology; grasslands as related to animal production, soil conservation, crop rotation, and land use. Field trip approximate cost $3. Prerequisite: GSA 201b.

324–5 (3,2) Soil Microbiology. **(a) (Lecture).** (Same as Microbiology 424.) A study of the numbers, characteristics, and biochemical activities of soil microorganisms, with particular consideration of their role in the transformations of organic matter, nitrogen, and minerals as related to soil fertility and management. Prerequisites: one course in microbiology or soils. **(b) (Laboratory).** Experiments designed to determine numbers, and to study the characteristics and biochemical activities of the soil microflora as related to fertility. Prerequisites: 424a, or concurrent enrollment, Microbiology 301.

327–4 Commercial Vegetable Production. Culture, harvesting, and marketing of commercial vegetables. Field trips cost approximately $3.00. Two-hour laboratory. Prerequisite: 264 or consent of department.

438–3 Advanced Studies in Vegetable Crops. Genetics, morphological, an physiological factors influencing the production of vegetable crops. Offere in alternate years. Prerequisite: 264, Botany 320, or consent of department.
440–4 Plant Propagation. Fundamental principles of asexual and sexu propagation of horticultural plants. Actual work with seeds, cuttings, graft and other methods of propagation. Prerequisites: 264, GSA 201b, or conse of department.
456e–2 Agricultural Marketing Problems and Practices—Horticultural Crop (See Agricultural Industries 456e.)
506–2 Laboratory Methods for Radioisotopes. Laboratory exercises giving th students experience in instrumentation, measurements, and the safe handlin of isotopic materials. Prerequisite: 406 or consent of department.
507–3 Advanced Soil Fertility. Theoretical principles of soil fertility; evalu tion of research data and methods used in soil fertility research. Prerequisit 407a.
518–4 Principles of Herbicide Action. Chemistry and mode of action of herb cides. Nature of herbicidal action. Illustrates the various types of chemic weed control procedures in current use. The physiology of herbicidal acti examined using the different mechanisms established for various chemic groups of herbicides. Prerequisite: 418, Botany 320.
520–1 to 6 Readings. Contemporary books and periodicals on selected subjec within the fields of plant industries. Prerequisite: consent of departme
533–3 to 4 Growth and Development in Plants. (Same as Botany 533.) E ternal and internal factors as they affect development and growth of plan photo-periodism, and the role of growth-promoting substances. Prerequisit Botany 320.
575–1 to 6 Research. Directed research on approved projects investigati selected fields of the plant industries. Prerequisite: consent of departme
581–1 to 6 Seminar. Group discussions of and individual papers on subje and problems relating to soils, field and horticultural crops, and other pha of the fields of the plant industries. Prerequisite: consent of departme
590–1 to 4 Special Studies in Plant Industries. Directed study in specializ areas of crop production, horticulture, or soils depending on the program the student. Discussions, seminars, readings, and instruction in research te niques. Prerequisite: consent of department.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degr Prerequisite: consent of department.

Psychology

404–4 Theories of Perception. An examination of the different theories c cerned with an organism's sensory contact with his environment. Physiologi social, and organizational theories of perception with be considered. P requisite: 211b or consent of instructor.
407–4 Theories of Learning. A consideration of the major contemporary lea ing theories and their relation to experimental data. Prerequisite: 211b consent of instructor.
408–4 Theories of Motivation. Systematic analysis of the concept of moti tion with emphasis on its utility as an explanatory component of gen behavior theory. Prerequisite: 211b or consent of instructor.
414–4 Advances in Physiological Psychology. Reading and discussion articles dealing with recent significant advances in the neuro-endocrine b of behavior. Prerequisite: 314 or consent of instructor.
421–4 Psychological Tests and Measurements. Principles of psycholog measurement, including errors of measurement, techniques for estima reliability and validity, techniques of test construction, and problems in sessment and prediction. The laboratory will include the use of selected struments. Lecture and laboratory. Prerequisite: 8 hours of psychology.
425–4 Mathematical Psychology. A survey of mathematical models of havior, elementary models of learning, perception, and decision making examined with a view towards introducing the student to the literatur mathematical psychology. Prerequisite: Mathematics 410a, 421a, 480a or sent of instructor.
431–4 Psychopathology. Classification, description, etiology and treatmen the disorders of personality organization and behavioral integration. Obse

ions in a state mental hospital. Prerequisite: 305 or consent of instructor.
40–4 Theories of Personality. A review and critical evaluation of major ersonality theories and their supporting evidence. Prerequisite: 305 or con- ent of instructor.
51–4 Advanced Child Psychology. An examination of the concepts, methods, nd problems of human development with consideration of both its psycho- ogical and psychosocial aspects. Prerequisite: 211b, and 301, or consent of in- tructor.
59–4 Theory and Practice in the Preschool. Designed for those in nursery ducation and related fields. Examines variety of topics and provides lectures, emonstrations, and practicum experience in the Child Study Cooperative Jursery. Prerequisite: consent of instructor.
61–4 Advanced Social Psychology. Examines current areas of interest in he study of social behavior: language behavior, communication, social in- uence, attitude change, interpersonal perception, etc. Emphasis is on the ndividual in the social context. Prerequisite: 307 or consent of instructor.
65–4 Group Dynamics and Individual Behavior. Examination of research nd theory in the area of small-group interaction. Examines such topics as roup structure and function, group problem-solving, leadership, etc. Pre- equisite: 307 or consent of instructor.
90–1 to 16 Independent Projects. Independent readings and projects in psy- hology. Prerequisite: consent of instructor and chairman.
95–1 to 18 Seminar: Selected Topics. Varied content. To be offered from me to time as need exists and as faculty interest and time permit. Pre- equisite: consent of chairman.
09–4 Instrumentation in Behavioral Science. Study of methods of research nstrumentation. Techniques of stimulation and of physiological and psycho- gical response recording. Lecture and laboratory. Prerequisite: consent of nstructor.
10–4 History and Systems. Study of the important antecedents of contempo- ary scientific psychology. Considers issues, conceptual developments, and esearch advances, and presents the major schools and systems. Prerequisite: onsent of instructor.
12–4 Sensory Processes. A study of the structure and functions of the sense rgans. Emphasis will be placed on the psychological data which describe the nction of these organs. Lecture and laboratory. Prerequisite: consent of nstructor.
14–8 (4,4) Physiological Psychology. Study of neural and endocrine mech- nisms underlying behavioral processes. Lecture and laboratory. Prerequisite: onsent of instructor.
16–4 Learning Processes. Processes by which individual behavior is changed, ing procedures developed in the learning laboratory. Introduction to major ncepts and data of learning. Prerequisite: consent of instructor.
22–4 Research Design and Inference III. Advanced design and analysis of sychological experiments. Analysis of variance in complex designs, analysis covariance, and trend analysis. Prerequisite: Mathematics 410B.
23–2 Research Seminar. Evaluation of Research. A study of principles of search design from the point of view of the scholar reading the journals.
24–4 Multivariate Methods in Psychology. A detailed coverage of psycho- etric methods, with special emphasis on the theory and applications of ultivariate regression analysis. Includes an introduction to factor analysis. rerequisite: 522.
25–4 Mental Test Theory. Derivation of the basic psychometric equations, fects of test length and group heterogeneity on test parameters, criteria of rallel tests, weighting and differential prediction. Prerequisite: 524.
26–4 Experimental Design in Psychology. Consideration of the logic of ychological experimentation. Topics include randomization as related to perimental inference, complex designs used in experimental psychology, the e of concomitant information in experiments, faults and refinements in mmon psychological designs. Prerequisite: 522, Mathematics 410a,b.
30–4 Personality Theory and Dynamics. Intensive treatment and critical alysis of several representative approaches to personality. Consideration so of important personality concepts common to most theoretical approaches. erequisite: consent of instructor.
31–2 to 4 Advanced Psychopathology. Consideration of special topics, includ- g psychological theories of the nature and etiology of human pathology,

assessment of pathology, and institutional care and treatment. Includes ex tensive field experience in a mental hospital setting. Prerequisite: 530, 54 541b, and consent of instructor.

532–2 Experimental Approaches to Personality. Presentation of conceptua formulations and research data from representative experimental approache to personality. Critical evaluation of methodological approaches to perso ality study. Prerequisite: 530 or consent of instructor.

533–3 Experimental Approaches to Psychopathology. An examination of th research literature on several issues in clinical psychopathology. Prerequisit consent of instructor.

536–4 Fundamentals of Counseling. Introduction to the common assumption dimensions, and communicative skills underlying psychological counselin Observation utilized to supplement didactic discussion. Lecture and demo stration. Prerequisite: consent of instructor.

537–4 Counseling and Psychotherapy. Systematic presentation of major a proaches to counseling and psychotherapy. Consideration of salient aspec of the therapeutic situation and of the process and nature of changes duri psychotherapy. Critical evaluation of both theory and practice. Considerati of research findings and problems. Prerequisite: consent of instructor.

538–2 Group Psychotherapy. Presentation of major approaches to gro psychotherapy. Prerequisites: 537 and consent of instructor.

539–4 Experimental Approaches to Psychotherapy. A review and evaluati of empirical research related to the amelioration of maladjustment. Empha is on measurement and methodological problems. Prerequisite: 536, 537, consent of instructor.

541–4 Psychodiagnostics I. Introduction to clinical psychology with attenti to the function and clinical use of individual intelligence tests. Theories intelligence and related research. Age scales with emphasis on infant a child testing. Point scales and tests of deterioration with emphasis on chi and adult testing. Lecture and practicum. Prerequisites: consent of instruct

543–6 (4,2) Psychodiagnostics II. Basic theory and assumptions underlyi projective methods. Use of projective techniques as measures of personali and as tools for clinical diagnosis and research. (a) Thematic projecti techniques. (b) Rorschach and Bender-Gestalt. Lecture and practicum. P requisite: 541 or consent of instructor.

545–2 Psychodiagnostics III. Nature and theory of questionnaires for p sonality assessment and psychodiagnosis. Consideration of their use in clini research. Lecture and practicum. Prerequisite: consent of instructor.

547–4 Assessment Procedures in Counseling. Use and integration of psych logical test data, vocational, socio-economic, and educational information assessment and counseling. Prerequisite: 421 or consent of instructor.

552–4 Experimental Child Psychology. Consideration of relationship of me odology to child theory, typical methodological procedures and proble specific to children, and representative research topics. Prerequisite: 451 consent of instructor.

554–2 Developmental Theory. Systematic study and critical evaluation representative theories of child behavior. Prerequisite: 451 or consent of structor.

556–2 Psychological Treatment of the Child. Investigation of personality a behavior problems. Etiological factors and methods of treatment. Prerequis 451 or consent of instructor.

561–4 Social Influence Processes. Critical review of theoretical and empiri developments in the study of influence processes, attitude change, etc. So and intrapersonal determinants are examined. Prerequisite: 461 or cons of instructor.

562–4 Observational Techniques and Content Analysis. Examination evaluation of research methods and measurement techniques utilized in so psychology. Prerequisite: 461 or consent of instructor.

564–4 Communication and Group Behavior. Emphasis in this course is language behavior and the psychological study of the communication proc Examines theories, methods and research in these areas. Prerequisite: or consent of instructor.

571–4 Industrial Motivation and Morale. A review of the factors which de mine motivation and morale as well as their measurement and evaluat Prerequisite: 320 or consent of instructor.

72–4 Industrial Training. A systematic consideration of the methods of industrial training and development on the production, supervision, and decision-making levels. Prerequisite: 320 or consent of chairman.
73–2 Selection and Placement. Selection and validation of test batteries, use of the interview and personal history data in selection, quota, and classification problems, administration of a selection program. Prerequisite: 524 or consent of instructor.
74–2 Psychology of Industrial Relations. Analysis of psychological factors involved in industrial organization, employer-employee relations, and union-management relations. Prerequisite: 571 or consent of instructor.
76–2 to 4 Human Engineering. Analysis of man-machine systems, human factors in the design of display and control systems, limitations and capabilities of the human operator. Prerequisite: 512, 581, or consent of chairman.
79–4 Animal Behavior. (See Zoology 579.)
81–4 Psychophysical Methods. Survey of the major psychophysical methods and their applications. Lecture and laboratory.
90–1 to 16 Readings in Psychology. Readings in selected topics in psychology under staff supervision. Prerequisite: consent of chairman.
91–1 to 36 Research in Psychology. Research under staff supervision in selected areas of psychology. Prerequisite: consent of the chairman.
93–1 to 18 Practicum in Psychology. Practicum experience in a professional setting is offered under staff supervision in the following areas: **(e)** Clinical Psychology, **(f)** Counseling Psychology, **(h)** Industrial Psychology, **(j)** Child Psychology, **(l)** Teaching of Psychology.
95–1 to 18 Advanced Seminar. Seminars of varied content for advanced students. Prerequisite: consent of chairman.
98–2 Ethical and Professional Problems in Psychology. Problems in the professional practice of psychology and in teaching and research. Professional ethics, relations to other professions and the public, organization and structure of the field, current trends. Prerequisite: major in psychology or consent of instructor.
99–1 to 9 Thesis.
00–1 to 45 Dissertation.

Recreation and Outdoor Education

20–3 to 4 Human Development and Behavior. Consideration of human development from the framework of the major theories. Includes acquisition and maintenance of diverse behavior patterns. Prerequisite: advanced standing.
25–3 Recreation Areas and Facilities. Principles of planning, construction, management and maintenance of shelters, utilities, sanitation structures, erosion control, and other related problems.
30–4 School and Community Recreation. The role of the public schools in community recreation. Emphasis on current practices and trends in curriculum content, adult education, extracurricular activities, after-school and education programs, and cooperative programs with other agencies.
40–4 to 16 Practicum in Recreation and Outdoor Education. Supervised practicum experience in a professional setting. Emphasis on administrative, supervisory, teaching and program leadership in various laboratory situations related to recreation and/or outdoor education.
50–4 Principles of Recreation. Principles and interpretations of recreation and the basic concepts underlying the organization of leisure activity. Emphasis on cultural significance of recreation and the relationship of recreation to the totality of life.
60–4 Outdoor Education Workshop. Leadership development for outdoor education and its place in the school program. Methods of utilization of natural and cultural resources for enrichment of the school curriculum.
70–4 Recreation Administration Workshop. Bases for planning community programs in recreation. Administrative problems including legislation, finance and budget, office management, public relations, and personnel are considered through application of principles.
75–4 Special Population Workshop. Basis for planning, organization, selec-

tion, evaluation, and adaption of activities to a variety of institutional ar community recreation settings.
530–4 Recreation Program Workshop. Program planning, organization, a implementation of comprehensive leisure time programs in public and priva recreation settings, emphasis on application of basic program principles practice. Prerequisite: 500.
540–4 Recreation Surveys and Planning of Facilities. An analysis of scop content, objectives, procedures, and types of recreational surveys and a praisals. Collection and analysis of data.
570–4 Seminar in Recreation and Outdoor Education. Discussion of individu projects; presentation of research problems and dissertation topics.
596–2 to 9 Independent Study. Independent study and research in the studen field of interest.

Rehabilitation

414–1 to 16 Developing Employment Opportunities. Designed to train habilitation personnel in the attitudes, methods and skills pertinent to pla ment of handicapped persons in competitive and other occupations. Prere uisites: special standing and consent of instructor.
417–4 Rehabilitation of the Economically Deprived. Analysis of employme problems of the economically deprived with attention to training, counseli and programs for rehabilitation.
420–4 Human Development and Behavior. Consideration of human develo ment from the framework of the major theories, to include acquisition a maintenance of diverse behavior patterns. Prerequisite: advanced standi
480–2 An Introduction to Rehabilitation. A survey of the philosophy, p cedures and practices underlying the rehabilitation movement, including history and legislation that have contributed to its rapid development.
481–2 An Introduction to Employment and Developmental Services. A revi of the development and growth of employment services and special yo centers, current social needs and trends, and the organizational patterns such centers.
485–4 Scientific Methods in the Behavioral Sciences. Scientific methods as approach to the investigation of human behavior including consideration various systems of behavior theory and practice.
486–4 Introduction to Behavior Modification. Overview of the field of havior modification, its procedures, techniques, and methods. A survey current literature examining the various populations being utilized.
490–1 to 6 Readings in Rehabilitation. Select readings supervised by the st Prerequisite: consent of instructor.
501–6 (2,2,2) Rehabilitation Administration. (a) Programming and organi tional structures, formal and informal, of public and voluntary agencies a facilities. (b) Current and progressive supervisory practices in rehabilitat agencies, communication channels, employee counseling and evaluation me ods. (c) Developing community resources, involvement and utilization public and voluntary agencies in developing a comprehensive rehabilitat program. Prerequisite: consent of instructor.
503–2 Case Management in Rehabilitation. Basic procedures in providing coordinating available services for the handicapped in the context of a pro sional-client relationship. Prerequisite: consent of instructor.
511–2 to 4 Vocational Developments and Occupational Choice. The psyc social meaning of work, vocational development and theory of occupatic choice, and the analysis of the labor market now and in the future. I requisite: consent of instructor.
519–2 to 3 Selection, Placement, and Follow-up. A survey of current meth and criteria used in job development, selective placement, and follow-u handicapped and deprived individuals. Prerequisite: consent of instructor
520–4 Functional Analysis of Behavior. Analysis of operant and respon behavior with emphasis on the contribution of infrahuman investigation the understanding of human behavior. Laboratory required. Prerequi consent of instructor.
521–4 Child Behavior. Systematic examination of the manner in which dren (from conception on) acquire and maintain their behavior patterns

he role of the environment in controlling such development. Prerequisite: onsent of instructor.

26–4 Complex Human Behavior. The manner in which humans acquire, aintain, and attenuate the more complex forms of behavior, particularly in he social, vocational, and educational areas of behavior. Prerequisite: 520 and onsent of instructor.

31–2 to 4 Vocational Appraisal. Consideration of tests and procedures used in ssessing the individual's functioning abilities and the meaning work has in chieving fulfillment, which also includes the requirements of the job for urposes of aligning the two. Prerequisite: 511 or consent of instructor.

32–3 to 4 Assessment Procedures in Rehabilitation. A general review of the ndamental bases of measurement, the criteria for selecting assessment de- ces, introduction to select standardized and time-sample instruments, and he use of these in rehabilitation. Prerequisite: introductory statistics.

33–4 Measurement in Behavior Change. Dividing the types of measurement to two categories, direct and indirect, an analysis of the relative advantages disadvantages inherent in each technique when applied to specific behavior eas. Prerequisites: 520 and consent of instructor.

35–4 Schedules of Reinforcement. A study of schedules as a basis for under- anding and controlling behavior, and the nature of schedule effects in rela- on to other behavioral variables. Prerequisite: 533.

36–4 Individual Assessment in Rehabilitation. Theoretical aspects of measur- g instruments for individual assessment in rehabilitation. Includes problems administration and interpretation. Field and laboratory experiences in- uded. Prerequisite: 532 and consent of instructor.

37–4 Diagnostic Procedures for Special Populations. A detailed survey of e procedures in diagnosis and assessment of the retarded, blind, deaf, brain jured, and others. May include some laboratory assignments. Prerequisites: sychology 421 or consent of instructor.

39–1 to 6 Behavioral Programming. Application of the technologies related the arrangement of behavioral programs. Laboratory required. Prerequisite: 0 and consent of instructor.

41–1 to 6 Medical Aspects of Rehabilitation. A review of human systems, dis- nctions leading to major diseases entities and injuries, and the implications r rehabilitation. Prerequisite: consent of instructor.

51–3 to 4 General Rehabilitation Counseling. An overview of the basic counsel- g processes appropriate to rehabilitation settings. Includes consideration of the ylistic and interpersonal factors common to various persuasions. Prerequisite: nsent of department.

52–4 Rehabilitation Counseling Research. An intensive study of the heuristic pects of theory and the resultant research in rehabilitation counseling. Also velops researchable problems. Prerequisite: 551.

55–2 Rehabilitation Counseling with the Mentally Retarded. Review and scussion of the philosophy, issues, approaches, and research pertinent to e counseling function in the development of the retarded. Prerequisite: 551 concurrent registration.

56–4 Group Procedures in Rehabilitation. Characteristics of intensive group periences, and procedures in preparation for group counseling. Prerequisites: 1.

58–4 Programmed Instruction and Behavior. Techniques and procedure in ogramming material for rapid acquisition of new behavior with particular phasis on automated instruction and programmed texts. Prerequisite: 485, 520, or consent of instructor.

61–2 to 3 Psycho-Social Aspects of Disability. An examination of the socio- notional impact of traumatic injury or chronic illness (on human functioning) d its role in the rehabilitation process. Prerequisites: Psychology 421 and nsent of instructor.

63–4 to 8 Aversive Control and Aggressive Behavior. Methods of aversive ntrol and negative reinforcement procedures. A review of the aggressive sponse as a consequence of aversive control. Prerequisite: 526.

64–4 Sexual Behavior. The definition and measurement of sexual responses, ir significance and importance for understanding complex behavior pat- ns. Prerequisites: consent of instructor.

65–4 Verbal Behavior. Theoretical and empirical study of human verbal havior. Emphasis on the environmental control of such behavior. Analysis

of procedures used to modify deviant and retarded verbal responses. Pr requisite: 486 or 520.
567–4 School-Related Behavior. An intensive analysis of the students' ar teachers' behavior, its functional relationship, and the ways in which b havior modification techniques might create a more satisfactory environme for teaching and learning. Prerequisites: consent of instructor.
571–1 to 6 Seminar in Selected Topics. Selected topics of pertinence to r habilitation and counseling personnel. Prerequisite: consent of departmer
576–1 to 12 Seminar in Behavior Modification. Basic issues involved in t modification of human behavior in the applied areas—scientific, methodologic ethical and social issues will be evaluated. Prerequisite: consent of instructo
578–1 to 6 Seminar in Correctional Rehabilitation Counseling. Review of maj issues and research relative to rehabilitation practices in youth and correction settings. Prerequisite: consent of instructor.
585–0 to 24 Practicum in Rehabilitation. (a) Introduction to various faciliti and agencies including supervised experiences in the function and admin tration of these services. (b) Application of behavioral methods with huma under close direction of supervisory staff. (c) Practice in developing couns ing skills with individuals and groups in varied settings.
589–0 to 12 Internship in Rehabilitation. Full-time practice in a rehabilitati setting supervised by both agency personnel and university faculty. Pr requisites: 585 and consent of department.
590–1 to 16 Independent Projects. Independent development of projects a systematic readings in pertinent rehabilitation areas. Prerequisite: consent instructor.
591–1 to 16 Research in Rehabilitation. Systematic research on factors a procedures relevant to rehabilitation. Prerequisite: consent of instructor.
599–1 to 9 Thesis. Prerequisite: consent of instructor.

Secondary Education

402–4 Aerospace Education Workshop. Teachers learn about current devel ments in this area and how to incorporate aerospace information into existi curricula. They study in some detail the social, political, and economic c sequences of this era. Prerequisite: consent of instructor.
407–8 (4,4) The Junior High School. (a) The place of the junior high sch in the organizational pattern, with major emphasis upon the areas of orga zation, administration, and curriculum. (b) Workshop. Designed to: 1) ena teachers to discover and evaluate the new content, methods, and materi available for the junior high school, grades 7–9; 2) develop teacher-ma functional instructional models. Must be taken in a,b sequence. Junior h school teaching experience may be substituted for (a) as a prerequisite to (
440–4 Teaching Reading in High School. A foundation course in how teach reading in junior and senior high school: developmental and correct reading programs; appraisal of reading abilities; methods and materials instruction. Prerequisite: Guidance 305.
485–3 Principles and Philosophies of Vocational and Technical Educati (See Technical and Industrial Education 485.)
487–4 Teaching the Natural Sciences in Secondary Schools. Objectives science education; instruction methods and techniques appropriate for tea ing science; desirable equipment, audio-visual aids, and instructional terial; development of a course outline and at least one instruction u Prerequisite: 315 or consent of instructor.
488–3 Teaching Social Studies in Secondary Schools. Deals with objecti scope and sequence of curriculum, methods of teaching different courses age groups, materials and evaluation. Prerequisite: Guidance 305.
490–4 Workshop in Economics Education. (Same as Economics 490.) Desig to assist elementary and secondary school teachers in promoting econo understanding through the translation of economic principles and probl into classroom teaching materials.
495–2–4 Seminar: Problems Related to Teaching Disadvantaged Youth. members of the National Teachers Corps and others working in classro with disadvantaged youth. Emphasis placed upon actual problems encount by those enrolled. Reports and discussion based upon surveys and rea will be featured. Prerequisite: consent of instructor.

6–4 Reading in the Secondary School. For junior and senior high school achers who desire a foundation in reading. Emphasis placed on the basic ills, appraisal of reading abilities, materials of instruction, and methods of aching reading in the content areas. Prerequisite: 352 or teaching experi-ce.

7–2 to 4 Readings in Reading. Independent reading; acquaintanceship with e literature and research in reading. Conference periods. Prerequisites: 505 d consent of instructor.

8–4 Seminar: Trends in Selected Areas in Secondary Schools. For students advanced graduate work. Individual class members will read basic bib-graphy related to secondary education and read widely about trends in the ea of their own teaching fields. Prerequisites: completion of half or more the work leading to a master's degree and consent of the instructor.

9–4 to 8 Practicum in Reading. For advanced students; teaching demonstra-ns and evaluations. Each student works with a group of reading disability ses. Prerequisites: 521a,b,c, and consent of instructor.

0–4 to 8 Seminar: Problems in Reading. Major field content seminar: Prob-ns and practices; comprehensive review and evaluation of research and erature. Each student pursues a problem of his own interest.

4–4 Organization and Administration of Reading Programs. For reading ecialists, principals, supervisors, consultants. Recent trends in elementary d high school reading programs, providing reading instruction for total hool population, materials and equipment, in-service training, role of the ading specialist. Problems of class members are studied and discussed. erequisites: Educational Administration 561, 505.

6–4 to 12 Internship in Reading. Culminating experience for doctoral candi-tes. Each student supervises reading services in his own or cooperating hool. Conference periods. Prerequisites: 521a,b,c, and consent of instructor.

3–2 Supervision of Student Teachers.

1–12 (4,4,4) Diagnosis and Correction of Reading Disabilities. Causes of ading difficulties; observation and interview procedures; standardized tests, truments, and informal inventories; analysis techniques; experiences in paring materials for corrective purposes. Each student diagnoses and ats a reading disability case under supervision. Prerequisites: 505 or 440 concurrent registration with 550, and teaching experience.

4–9 NDEA Summer Institute for Teachers of German. (See Foreign Lan-ages.)

0–4 Core Curriculum in the Secondary School. Designed to help students n a functional understanding of the core concept. Techniques of selecting terials and the cooperative planning of units of work. Critical study of rrent practices in this field. Prerequisite: Educational Administration 460.

0–1 to 8 New Developments in Technological Education. (See Technical d Industrial Education.)

2–4 The High School Curriculum. Designed to permit students to work groups on problems related to the high school curriculum. Such problems uld originate in the schools where the students are or will be employed. e point of view maintained is that procedures should be very democratic. e instructor serves as a coordinator of activity; resource people are used ely. Prerequisite: one other graduate course in curriculum.

5–4 High School Principalship. Designed to deal with problems met cifically by the high school principal. Emphasizes his role in relation to dance, curriculum, schedule-making, extracurricular activities, public re-ons, budgeting of time, etc. Prerequisite: Educational Administration 424 d consent of instructor.

5–4 Seminar in Instruction. Study and discussion of problems of instruction h attention to experimentation. Prerequisite: consent of instructor.

5–4 Extra-Class Activities. Cocurricular activities of the junior and senior h school including intramural and interscholastic functions.

5–4 Doctoral Seminar. A study of school curricula, their historical develop-nt in the United States, contemporary problems, issues, and research with urvey of the evolution of instructional methods and procedures as they are ated to learning, and new curricula. Limited to doctoral students.

5–2 to 4 Individual Research. The selection, investigation, and writing of esearch topic, under the personal supervision of a member of the depart-ntal graduate staff, in one of the following areas: **(a)** Curriculum, **(b)** pervision, **(c)** Language Arts, **(d)** Science, **(e)** Reading, **(f)** Social Studies,

(g) Problems in Secondary Education, (k) Junior High School Methodolo
586–3 The Change Agent in Planned Change. An intensive diagnosis of t dynamics involved in planned change in a social system and the consultan relationship to this process. Prerequisite: consent of instructor.
589–2 Seminar in Community Development.
591–4 Workshop in Current Problems in Secondary Education. Designed p marily to help high school principals to work effectively and with the he of resource leadership on the most urgent problems confronting their schoo Discussion, reports, lectures, and final examination. Prerequisite: consent instructor.
596–5 to 9 Independent Investigation. A field study required of each stude working for the sixth-year professional certificate. The work should be do in the setting of a school system where the student is employed or where f cooperation is extended. The study will involve selecting of the proble survey of pertinent literature, recording of results, and appropriate interpre tions and summarizations.
599–3 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degr
600–1 to 48 Dissertation. Minimum of 36 hours to be earned for the Doc of Philosophy degree.

Secretarial and Business Education

403–3 Teaching Typewriting. The programming of activities in typewrit training, methods of instruction, skill-building principles and techniqu selection and preparation of practice materials, standards of achievement, a evaluation of pupil performance. Prerequisite: 304 or equivalent.
404–3 Teaching Shorthand and Transcription. The programming of activi in shorthand and transcription training, methods of instruction, skill-build principles and techniques, selection and preparation of practice and ho work materials, standards of achievement, and evaluation of pupil perfo ance. Prerequisite: 324a or equivalent.
405–3 Teaching General Business Subjects. Instructional methods and terials for, and the evaluation of pupil progress in, such basic business s jects as general business, consumer education, economic geography, busi law.
406–4 Teaching Office Practice and Office Machines. Instructional meth and materials for, and the evaluation of pupil performance in, office prac and office machines.
408–3 Teaching Bookkeeping and Accounting. Instructional methods and terials for, and the evaluation of pupil progress in bookkeeping and acco ing. Prerequisite: Accounting 251b or equivalent.
414–6 (3,3) Organization and Administration of Cooperative Vocational B ness Education. (a) Philosophy and objectives of cooperative vocational grams, methods of selecting students and work stations, placing and su vising students on part-time jobs. **(b)** Preparation of instructional mater job analysis, conducting related information classes, evaluating workers work stations, advisory committees, public relations aspects of coopera programs.
415–6 Supervised Business Experience and Related Study. Designed to pare teachers and coordinators of in-school and cooperative vocational b ness education programs in accordance with the requirements of the Illi State Plan for the Administration of Vocational Education. First week hours) devoted to classroom study of the principles and problems of coordi ing in-school and cooperative vocational business education programs five weeks (200 hours) devoted to supervised occupational experie seventh week (15 hours) devoted to classroom analysis and evaluatio on-the-job experiences of the members of the class in relation to their fu work as coordinators and vocational teachers. Each student applies for obtains his own position with the assistance and approval of the instru While employed, each student looks for and analyzes relationships bet his work experiences and the in-school or cooperative work experience gram he will later conduct.
417–4 Applications and Fundamentals of Data Processing in Business Ed tion. Acquaints business teachers with data processing applications in school business classes. Emphasis on vocabulary development, unit re

quipment, concepts of programming, and fundamentals of computer applications. Approximately one-third of the course will be spent in machine operation.

26–4 Office Management. The principles of management as applied to office roblems. Emphasis on the role of the office in business management; office ganization; physical facilities of the office; office services, procedures, standds, and controls; records management.

27–4 Records Administration. The requisites for records administration. The lue of files, their creation, control, retention, and disposition. Applications such records as medical, legal, educational. Prerequisite: 407.

35–3 Principles and Philosophies of Vocational and Technical Education. See Technical and Industrial Education 485.)

00–4 Principles and Problems of Business Education. A study of the fundaentals of business education; its relation to business, to general and vocaonal education, and to guidance programs; its history, current status, and ends; special emphasis on objectives and curriculum problems.

02–4 Research in Business Education. A study of research findings and chniques as exhibited in representative investigations in business education. mphasis on reading and interpreting research, using research findings in lving instructional problems, and uncovering potential topics for future search. Prerequisite: Guidance 422b.

03–4 Tests and Measurements in Business Education. The selection, conuction, administration, and interpretation of tests and test scores in busiss education subjects. Principal emphasis on teacher-made tests, especially the performance type, with secondary attention to published tests in the ld.

05–1 to 6 Workshop in Business Education. Major issues in business teacher ucation. Ordinarily offered during one or two weeks of the summer session.

08–4 Administration and Supervision in Business Education. History and ilosophy of administration and supervision in Business Education with nsideration of problems arising at local, state, and national levels; and at condary, college, and university levels. Supervisory problems will include rriculum construction and evaluation, classroom supervision, promotional licies, selection of textbooks, purchase and maintenance of equipment, ysical arrangements, and other areas according to need of students.

09–4 Improvement of Instruction in General (Basic) Business Subjects. Dened for the experienced high school teacher who is interested in the study curriculum and teaching problems in basic business subjects. The course ll include teaching procedures, review of materials, formulation of tests d evaluation. The organization of teaching units and projects will be phasized.

50–4 Improvement of Instruction in Secretarial Subjects. Designed for the perienced high school teacher who is interested in the study of curriculum d teaching problems in secretarial subjects. The course will include teachi procedures, review of materials, formulation of tests and evaluation. Prequisite: 403 or 404 or 406.

55–3 Interrelated Vocational Cooperative Education. (See Technical and dustrial Education 525.)

59–2 to 5 Readings in Business Education. Supervised readings in selected bjects. Prerequisite: consent of instructor.

59–2 to 5 Individual Research in Business Education. Selection and investigan of a problem, use of relevant sources and techniques, collection, evaluan, and interpretation of data; and the writing of a report on the investigan. Prerequisite: consent of instructor.

59–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Sociology

4–4 Social Change. Processes of social change in the modern world; culture and conflict of norms; individual and social problems arising from conflicting systems of social values and cultural norms. Prerequisite: GSB 201b or 301.

4–4 Sociological Research. Application of the scientific method to sociological problems. The role of theory. Principles of good research design, measurement, sampling and analysis. Prerequisite: graduate status or consent of instructor.

415–3 Logic of the Social Sciences. (See Philosophy 415.)
424–4 Collective Behavior. The behavior of people in large groups; collecti interstimulation and emotions; crowds, audiences, and publics; mass stim and mass response. Prerequisite: 321 or 322, or consent of instructor.
426–4 Social Factors in Behavior and Personality. How group situations a values affect behavior and shape personality; development of concepts, ro concepts, attitudes, values; theories of motivation; self-concepts; conflicti social values in relation to individual motivation. Prerequisite: 321 or P chology 305, or consent of instructor.
427–4 Personality and Social Adjustment. Basic mechanisms of adjustive l havior; concepts and criteria of personal integration and social adjustme varieties of adjustive and non-adjustive behavior; theories of personal ganization and disorganization; selected problems. Prerequisite: 321 Psychology 305 or consent of instructor.
435–4 Social Stratification. A comparative study of social class systems, w emphasis on the American systems. Relationships of class position to havior in family, religion, politics, etc. Prerequisite: GSB 201b or 301.
438–4 Sociology of Occupations and Professions. Natural history and stitutional aspects of occupations in our society, cultural context of occu tions in both primitive and modern society, preparation for jobs, hum values in work, promotion and discharge, mobility, retirement. Prerequis GSB 201b or 301.
449–4 Sociology of Aging. The social implications of an aging populati social adjustments to the aging process; personal adjustments to the ro and statuses of later maturity; a consideration of retirement and public sistance programs for older people. Prerequisite: GSB 201b or consent instructor.
450–4 Social Thought I: Before 1800. The ideological basis of Western soci The classical foundations. Trends of thought from the Renaissance to Enlightenment. Prerequisite: consent of instructor.
451–4 Social Thought II: The Sociological Movement. From Romantic to Realism; rise and development of scientific social thought. Prerequis consent of instructor.
453–4 Social Movements. A sociological study of modern social moveme social and cultural backgrounds, forms of expression and organization; so structure of social movements, their role and function in modern soci Prerequisite: GSB 201b or 301.
454–4 Sociology of Science. Emphasis on the origins and growth of sci in historical perspective, reciprocal relations between science and society the twentieth century, science as a social system, differentiation within relations between disciplines, and implications of the social organizatio scientific research and finding. Prerequisite: 301 or consent of instructor
460–4 Sociology of Medicine. Man and his adaptation to illness, the sick the doctor patient relationship, the organization of medical care and he institutions in the United States, and the role of the sociologist in the he fields. Prerequisite: 301 or consent of instructor.
470c–4 Urban Planning. (See Government 470.)
471–4 Principles of Demography. Techniques in analyzing and evalua data on human population; composition, birth and death rates, life ta migration data, estimates of future trend. Practical uses of demogra techniques. Prerequisite: consent of instructor.
472–4 The American Correctional System. A survey of the correctional covering probation, institutional treatment, and parole: their historic dev ment, organizational structure, program content, and current problems. requisite: 372 or consent of instructor.
473–4 Juvenile Delinquency. Nature of juvenile delinquency; relationshi theories of deviant behavior; efforts at prevention and control. Prerequi 302 or consent of instructor.
481–4 Processes in Social Work. Theory, rationale, and practice of casev group work, social welfare organization, and the roles of supervision, ad istration, and research in relation to each. Case material study and discu with field observation and practice. Prerequisite: 375 or consent of instru
482–3 Social Work in Selected Agencies. Study of representative literatu casework in family, psychiatric, medical, school, military, child welfare, correctional settings, and others. Case material study and discussion field observation and practice. Prerequisite: 481 and consent of instructo

3–4 Current Problems in Corrections. An exploration of contemporary roblems in the control and treatment of sentenced offenders and a review research trends in corrections. Prerequisites: 472 and consent of instructor.
6–1 to 5 Independent Study in Community Development. Individual study d projects designed to fit the needs of each student. Prerequisite: consent instructor.
7–4 Community Development. The concepts of community development d analysis of the social-psychological forces and processes involved in tizen study, planning and action directed toward the fuller development of mmunities in a democratic society. Prerequisite: 4 hours of sociology or nsent of instructor.
9a–4 Probation, Classification, and Parole. An introduction to the structure d function of those elements of the correctional process primarily con- rned with the evaluation, treatment, and control of offenders with particular tention to the casework components of the process. Prerequisite: 481 or nsent of instructor.
9e–2 to 4 Independent Study in Corrections. Supervised readings or in- pendent investigative projects in the various correctional aspects of crime ntrol, institutional management, and specific correctional programs. Pre- quisite: consent of instructor.
8–1 to 4 Honors Independent Research. Advanced research study of a lected problem. Not for graduate students. Prerequisite: consent of depart- ent.
1–4 Survey of Sociological Theory. The development of sociology as a ence of society, from synthetic philosophy to analytic sociology. Pre- quisite: 451 or consent of instructor.
2–4 Seminar in European Sociological Theory: 1800–1910. The theoretical stems of selected European sociologists studied from the original writings. erequisite: 15 hours of sociology or consent of instructor.
3–4 Seminar in European Sociological Theory: 1910 to the Present. A Con- uation of 502. Prerequisite: 15 hours of sociology or consent of instructor.
4–4 Seminar in American Sociology. A survey of development of American iology from its beginnings in the late 19th century to the present. Pre- quisite: 501 or consent of instructor.
5–4 Seminar in Contemporary Sociological Theory. An analysis of recent iological theories, including a survey of current approaches to the con- uction and application of systematic theoretical models. Special attention l be given to "structural-functional" analysis and to the theoretical ade- acy of selected theory-oriented empirical research areas. Prerequisite: 15 rs of sociology or consent of instructor.
5–2 Supervised Research. Under guidance of instructor, students conduct ociological research project. Prerequisites: 412 and 526.
5–4 Methodological Foundations of the Social Sciences. Social science thodology; the nature of social facts and phenomena, the formation of cepts, the application of logic in the social sciences. Prerequisites: 407, l Philosophy 420 or consent of instructor.
5–4 Seminar in Social Psychology. Survey of theoretical systems; progress ward integrated body of behavioral theory. Prerequisite: 426.
5–4 The Sociology of Small Groups. The study of the small group as a small- e social system. The interrelationship between selected patterned prop- es of groups such as interaction, emotion, norms, beliefs, values, and ths as the group encounters and attempts to deal with basic problems of up development. Prerequisite: 426 or consent of instructor.
5–4 Quantitative Methods in Sociology I. Elementary logic and argumenta- n; sets, relations and functions; graph theory; problems in concept forma- n and measurement in sociology. Prerequisite: college algebra.
5–4 Quantitative Methods in Sociology II. Elements of finite probability ory; Boyesian analysis; mean, variance, and distribution of random vari- es; covariance and correlation; the binomial distribution; introduction to ple stochastic processes as models of social processes. Prerequisite: 526 consent of instructor.
5–4 Quantitative Methods in Sociology III. The logic of choosing and in- reting a statistic; association; inference and estimation; sample size; lti-variate association and correlation; Fortran II and the uses of the com- er in sociological research. Emphasis will be given to problems of associa- n. Prerequisite: 527 or equivalent.

529–4 Sociological Measurement. Organizing empirical data; choosing
interpreting a statistic; bi-variate association and correlation; inference
estimation. Prerequisite: consent of instructor or college algebra.
530–4 Research Design. Types of research design. Formulation of a resea
problem. Ecological research methods. Case studies, types of experime
designs. Management of research projects. Types of sampling. Prerequis
527 or equivalent.
531–4 Research Analysis. Content analysis. Classification, editing, cod
tabulation, and graphing. Analysis of descriptive research. Analysis of
planatory research. Errors and bias in research. Presentation of resea
findings. Prerequisite: 530 or consent of instructor.
532–4 Urban Social Structure. Theories of urban social structure and cha
with emphasis on the comparative analysis of ecological and norma
processes of integration and disintegration in modern urban communi
533–4 Ecology of Human Communities. Spatial and temporal organizatio
population and institutions with special reference to the organization
rural and metropolitan communities. Emphasis on basic research meth
and current sources of data in respect to type, structure, and growth of
communities. Prerequisite: 15 hours of sociology or consent of instru
534–4 Seminar in Intergroup Relations. Cross-cultural study of inter-et
and inter-faith relations, with special attention to conflict, accommoda
acculturation and assimilation. Prerequisite: 15 hours of sociology or con
of instructor.
537–4 Sociology of Law. An analysis of the role of law in society. Sp
emphasis will be given to the relationships between law and social orga
tion, social control, social value systems, and social change; considera
will be given to research in the field. Prerequisite: 15 hours of sociolog
consent of instructor.
538–4 Seminar in Industrial Sociology. Selected aspects of industrial orga
tion and related problems including such topics as: functional and dysf
tional deviations from ideal bureaucracy, promotion policies, labor relat
job aptitudes, job satisfactions, and public relations. Prerequisites: 15 h
of sociology and consent of instructor.
539–4 Sociology of Bureaucracy. Analysis of the structural characteri
and conditions for the emergence of bureaucratic and quasi-bureauc
forms of organization. Attention to such problems as the bases of autho
stabilizing mechanisms, systems of formal and informal relations, ration
and paradox in bureaucratic organization; impact of bureaucratic orga
tion upon character structure and its role in the formation of classes
elites. Prerequisites: 15 hours of sociology and consent of instructor.
542–4 Seminar on the Family. The family as a field of sociological s
Assessment of significant historical and contemporary writing. Prerequ
15 hours of sociology including 340, or consent of instructor.
543–4 Seminar in Family Variability. An analysis of the structure, orga
tion and function of the family in several contemporary and primitiv
cieties. Prerequisite: 15 hours of sociology including 340, or consent o
structor.
544–4 Seminar in Family Research. A detailed analysis of significan
search in the field of the family. Special attention to methods employ
they relate to the specific problems investigated. Prerequisite: 15 hou
sociology including 340, or consent of instructor.
545–4 The Family and Social Change. The significant social factors re
sible for changes in the family. Analysis of representative writings from
eral periods. Prerequisite: 15 hours of sociology including 340 or conse
instructor.
561–4 Alcohol and Society. Analysis of the determinants of ranges of
tion in drinking patterns, normal or pathological, viewed cross-culturall
in the context of complex society. Special consideration will be given t
following: the ecology of drinking and alcoholism, drinking patterns
social structure, drinking centered subcultures and institutions, as well
the genesis and patterning of deviant drinking (alcoholism), responsive
ments and systems of control. Prerequisite: consent of instructor.
562–4 Deviance and Disorganization. Comparative study of the role of
cultural, and psychological factors in the genesis of specific social patho
exhibiting marked variation in group rates. Pathologies such as su
homicide, and alcoholism will be taken as illustrative. The strategic signifi

the study of such phenomena for theories of social and personal disorganization will be considered in detail. Prerequisite: consent of instructor.
3–4 **Research Problems in Deviance and Disorganization.** For students who e concerned to develop viable research projects in the areas of social disganization and deviant behavior. Students formulate and present original search prospectuses for critical evaluation. Consideration given to questions theoretical relevance, research design, and appropriate techniques. Prequisite: consent of instructor.
4–4 **Social Factors in Mental Disorders.** An examination of the role of social ganization and structure in the emergence of mental disorders. Considera- n given to pertinent theoretical and research contributions. Prerequisite: nsent of instructor.
3–4 **Community Organization and Disorganization.** Nature of the com- nity and community generating processes. Appraisal of consensus and ocation of power. Illustrative community case studies. Prerequisite: consent instructor.
2–4 **Seminar in Criminology.** Critical study of important research and eoretical analyses. Prerequisite: consent of instructor.
3–4 to 12 **Supervised Field Work in Corrections.** Experience in state and leral institutions, probation and parole departments, juvenile courts, dequency control programs, and public or voluntary agencies. Students reg- ering will be required to attend orientation sessions prior to actual place- nt; enrollment should be discussed considerably in advance of experience facilitate arrangements with agencies. Prerequisite: consent of instructor.
'–2 to 8 **Individual Research in Community Development.** Research de- ned to meet the professional objectives of the individual student. Prequisite: major in community development.
5–12 (4,4,4) **Seminar in Community Development.** (a) Principles and hnologies applicable to solving social problems in the context of community velopment. Laboratory period for field experience. (b) An intensive diagsis of the dynamics involved in planned change in a social system and consultant's relationship to this process. (c) Focuses on a range of comnity development and community action models which deal with selected ll practices necessary to the community dvelopment technician. Must be en in a,b,c sequence. Prerequisite: 487 or consent of instructor.
5–2 to 6 **Individual Research.** Supervised research projects. Open only to duate students with a major in sociology. Prerequisite: consent of inuctor and chairman of department. Credit according to achievement.
5–2 to 12 **Readings in Sociology.** Supervised readings in selected subjects. requisite: consent of instructor and chairman of department.
5–2 to 9 **Thesis.** Prerequisite: consent of chairman.
6–1 to 48 **Dissertation.** Prerequisite: consent of chairman.

Special Education

4–4 **Techniques and Interpretation of Hearing Tests.** (See Speech Pathology Audiology 406.)
a–4 **Problems and Characteristics of the Emotionally Disturbed Child.** gnosis, screening, classroom management, placement considerations, goals the effective use of ancillary services. Emphasis on the understanding of adaptive behavior through principles of learning and behavior dynamics. requisite: 414 or consent of instructor.
b–4 **Problems and Characteristics of the Mentally Retarded.** Objectives, riculum, methods, and materials of instruction for slow learners. Emphasis n the principles of learning as they can be applied to this group. Obserons. Prerequisite: 414.
c–4 **Problems and Characteristics of the Gifted Child.** Designed to help hers in the identification of and programming for gifted and talented dren. Prerequisite: Psychology 301 or 303 or consent of instructor.
1–4 **Problems and Characteristics of the Acoustically Handicapped Child.** sideration of psycho-social and educational aspects of deafness. History attitudes of society. The impact of auditory impairment on language elopment, education and adjustment. Prerequisite: Psychology 301 or 303, onsent of instructor.
4–4 **Assessment and Remediation of Learning Disabilities.** (Same as Guid-

ance 411.) Theories of special tests and remedial programs designed f children with specific learning disabilities of a perceptual or coordinati nature and who may demonstrate related adjustment problems. Prerequisi 414 and consent of instructor.

413a–4 Directed Observation of Emotionally Disturbed Children. Stud observation and participation in group and individual work with emotiona disturbed children. Often taken concurrently with 410a. Prerequisite: c sent of instructor.

413b–4 Directed Observation of Mentally Retarded Children. Student obser tion and participation in group and individual work with mentally retard children. 410b often taken concurrently. Prerequisite: consent of instruct

413d–4 Directed Observation and Practice with Hard-of-Hearing Childr Student observation and participation in group and individual work w hard-of-hearing children. Often taken concurrently with 515. Prerequisi consent of instructor.

414–4 The Exceptional Child. Physical, mental, emotional, and social tra of all types of exceptional children. Effects of handicaps in learning situatio Methods of differentiation and techniques for rehabilitation. Individual c studies used; observations and field trips. Prerequisite: Psychology 301 303 or consent of instructor.

415–4 Education of Acoustically Handicapped Children. Comparison of l guage development in hearing and acoustically handicapped children. Sur of established systems of teaching language to the deaf. Principles techniques in developing concepts, vocabulary, and basic English structu receptive and expressive oral and written language. Prerequisite: consent instructor.

416–4 Introduction to Audiology. (See Speech Pathology and Audiology 4

419–4 Communication Problems of the Deaf and Hard of Hearing. (Speech Pathology and Audiology 419.)

420a–4 Methods and Materials for Teaching Emotionally Disturbed Child Offered in conjunction with practice teaching, dealing with methods materials needed in teaching emotionally disturbed children.

420b–4 Methods and Materials for Teaching Mentally Retarded Child Usually offered in conjunction with practice teaching, dealing with meth and materials needed in teaching educable mentally retarded in special e cation programs. Prerequisite: 410b and consent of instructor.

420d–4 Methods and Materials for Teaching Acoustically Handicapped C dren. Methods, materials and techniques of teaching reading and elemen subjects to acoustically handicapped children in special education progra Prerequisites: 410d and consent of instructor.

421–4 Speech for Acoustically Handicapped Children. A survey of m ods in teaching oral language skill to acoustically handicapped children. phasis on use of visual, tactile, and kinesthetic sensory avenues in develo intelligible articulation. Voice and sentence rhythm, consideration of audi training techniques in relation to speech development. Prerequisite: Sp Pathology and Audiology 200.

428–4 Speech Correction for the Classroom Teacher. (Same as Speech thology and Audiology 428.)

496–2 to 8 Readings and Independent Study in Special Education. Study highly specific problem area in the education of exceptional children. only to selected seniors and graduate students. Prerequisites: 414 and cor of staff.

501–4 Special Research Problem. For majors and minors in the field of sp education. Choosing and conducting research activities. The student to s a topic for research and present it, upon completion, to the staff. Prerequ consent of staff.

513–4 Organization, Administration, and Supervision of Special Classes. phasis upon the functions, underlying principles, and cautions to be obs in the organization and administration of special classes. The selection training of teachers, problems of supervision, special equipment, transporta cooperating agencies, and legal aspects of the problem. Prerequisite: 414

515–4 Itinerant Teaching of Exceptional Children. Consultation and inter ing techniques for use with individual exceptional children, their pa teachers and other school or agency personnel. Methods of individual small group instruction. Emphasis on itinerant service for emotionally turbed and hard-of-hearing children through separate concurrently sche lectures and demonstrations. Prerequisite: 410a,b, or d.

7–4 The Atypical Child and Social Agencies. A survey of social agencies ntributing to the welfare and care of exceptional children. Emphasis given services rendered and to methods of contact and cost. Visits made to encies and institutions. Specialists invited to appear before the class. Prequisite: 414 or consent of instructor.

8–10 to 20 Workshops in Special Education. Promotes better understandg of the psychological and educational problems of children with learning d behavioral disorders. Specialists used as consultants. Open to graduate udents majoring in education, guidance, or special education. (a) Education children with learning and behavioral disorders. (b) Education of menlly retarded children. (c) Education of gifted children. (d) Education of oustically handicapped children. (s) Administration of special education ograms. Prerequisite: 414.

7–4 to 12 Practicum in Special Education. Supervised experience in school institution programs for atypical children. Special research project. Open graduate students only. Prerequisites: 410a,b,c, or d and consent of staff.

0a–4 Seminar: Education of Maladjusted Children. Analysis of research, nds, and programs in the education of children who are emotionally disrbed, socially maladjusted, or have learning disabilities. For graduate stunts in special education only. Prerequisites: 414 and consent of instructor.

0b–4 Seminar: Education of Mentally Retarded Children. Analysis of search, trends, and programs in the education of children who are mentally arded. Open to graduate students in special education only. Prerequisites: 4 and consent of instructor.

0d–4 Seminar: Education of Acoustically Handicapped Children. Analysis research, trends and programs in the education of children who are deaf hard-of-hearing. Open to graduate students in special education only. erequisites: 414 and consent of instructor.

0–4 Seminar: Education of Children with Mental Deviations. Critical review administrative practices, research, theories and etiological factors relevant programs in the education of children who are mentally retarded or gifted. plications of research in related disciplines. Application of theories to actice. Open to advanced graduate students in special education only. Prequisite: consent of instructor.

5–4 Seminar: Education of Physically Handicapped Children. Critical rew of administrative practices, research theories and etiological factors evant to programs in the education of children who are acoustically, visually, orthopedically handicapped or those who, for medical reasons, must reve homebound instruction. Open to advanced graduate students in special ucation only. Prerequisite: consent of instructor.

5?–4 Seminar: Education of Children with Learning and Behavioral Disolers. Critical review of administration practices, research theories, and ological factors relevant to programs in the education of children who are otionally disturbed, socially maladjusted, and/or have specific learning abilities. Implications of research in related disciplines. Application of ories to practice. Open to advanced graduate students in special education only. Prerequisite: consent of instructor.

5–5 to 9 Independent Investigation. A field study required of each student rking for the sixth-year specialists certificate. The work should be done in setting of a school system where the student is employed or where full peration is extended. The study will involve selecting of the problem, veying of pertinent literature, recording of results, and appropriate interpretations and summaries.

5–2 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

6–1 to 48 Dissertation.

Speech

neral Speech: 408–4, 429–4, 440–4, 449–4, 450–12 (4,4,4), 520–3, 530–1 to 4, 532–4, 599–2 to 9, 600–3 to 48.

l Interpretation of Poetry: 423–4, 424–4, 434–4, 523–3, 530–1 to 4, 599–2 to 9.

etoric and Public Address: 407–8 (4,4), 417–4, 418–4, 425–3, 500–4, 504–3, 505–4, 508–4, 510–4, 524–3, 530–1 to 4, 599–2 to 9.

ech Education: 406–4, 427–4, 511–3, 525–4, 530–1 to 4, 599–2 to 9.

4–4 Creative Dramatics. (Same as Theater 401.) Materials, techniques, and

procedures for conducting sessions in informal drama with emphasis upon contribution to the total growth and development of the child. Includes tures, observations, student participation, and practice.

406–4 Teaching Speech in Secondary Schools. Philosophy of speech edu tion, and effective teaching of speech through curricular and extra-curric work. Prerequisite: 16 hours of speech.

407–8 (4,4) History of American Public Address. Critical studies of Ameri speakers; selected speakers and speeches which reflect the dominant so and political ideas in American history. A lecture, reading, and discuss course. Parts may be taken independently.

408–4 Psychology of Speech. Nature and development of speech, its b psychology, and the part speech plays in personality development.

417–4 Contemporary Public Address. A critical study of speakers and speec selected to present the characteristic ideas of leading social and polit developments in national and international affairs since 1918. A lecture, re ing, and discussion course.

418–4 British Public Address. Study of British speakers to c. 1920. Selectio material governed by men and issues that affected British history.

422–4 Oral Interpretation of Prose. The study of reading of prose litera emphasizing the specific problems posed for the oral reader by this fo Prerequisite: 323, GSD 200, or consent of instructor.

423–4 Oral Interpretation of Poetry. The reading of poetry and the interpr tion of the thought and emotional content of the poetry to the audie Prerequisites: 103, 223.

424–4 Oral Interpretation of Dramatic Literature. Readings, selecting, cutt and presenting various types of dramatic literature. Each student give final recital program of readings. Prerequisites: 103, 223.

425–3 Techniques of Discussion Leadership. Group discussion designe clarify the functions and concepts of the leader in democratic society.

427–4 Secondary School Forensic Program. Coaching and organizati methods for forensic programs in school and college.

428–4 Communication Theories and Models. Survey, analysis, and criti of contemporary theories and models of human communications with an phasis on behavioral theories and models.

429–4 Experimental Studies in Oral Communication. Principles of rese design accompanied by a critical examination of research in oral commun tion. Prerequisite: 428.

434–4 Lecture and Lecture-Recital. Study of professional work on the pu platform which is climaxed by a lecture or recital of a professional na Prerequisite: 12 hours of public speaking, interpretation, or theater.

435–4 Studies in Organizational Communication. Communication systems behavior within formal organizations. Focused on theory and researc informational and directive communication as related to channels, struct status, involvement, morale, and leadership. Prerequisite: 303.

440–4 Advanced Phonetics. Phonetic theory. Materials and method linguistic geography. Prerequisite: 200.

441–4 Teaching Speech in Eelementary Schools. Study of oral language velopment in children, analysis of their speech needs, and methods of te ing speech in elementary schools with emphasis on speech improvement development of basic speech skills.

449–4 General Semantics. Means of changing implications so that langu in spoken or written form, describes the life facts.

450–12 (4,4,4) Laboratory in Interpersonal Communication. Communica viewed as a process of relating and evaluating. Applications of and rel philosophy, methodology and research to the functioning of the class i through various speech activities. The course encompasses the common of communication behaviors relevant to the chief communication specia

500–4 Survey of Classical Rhetoric. Ancient rhetoricians and orators Corax to Augustine, with special emphasis upon the works of Aristotle Cicero. Lectures and special studies.

501–10 NDEA Institute in Oral Language. Provides the best possible sponses in terms of staff practices and materials in order to prepare teac to meet the oral language needs of all elementary school children.

504–4 Medieval and Renaissance Rhetoric. An examination of the trend rhetorical theory between A.D. 100 and 1600 designed to facilitate u standing of the transition from classical to modern theory.

505–4 Modern Rhetorical Theory. An analysis of selected theories of p

ldress from the seventeenth century to the present, with a view of discover-
g the methods and objectives of modern rhetoricians and relating them to
ciety and its problems during the period.
)7–6 (3,3) **Studies in Public Address.** The study of orators, oratory, issues
id movements in terms of implications for rhetorical theory and current
ncepts of communication. Prerequisite: 407a,b.
)8–4 **Seminar: Studies in Discussion.** Studies in group thinking and group
tion with a view to improving discussion and conference techniques.
10–4 **Seminar: Persuasion and Social Control.** Uses and applications of per-
iasion in the various fields of social activity. Mass media examined as they
)ply to politics, business, religion, and education.
11–4 (2,2) **Teaching the College Speech Course.** Problems, methods, and
aterials in the teaching of speech in college with primary emphasis on the
isic course. Examination of textbooks, courses of study, curriculum making,
easurement, and relationship to other fields.
20–3 **Philosophical Foundations of Speech.** A special course reviewing the
ilosophy of speech for graduate and advanced students. Designed to take
lvantage of the knowledge and background of distinguished visiting pro-
ssors.
23–3 **Seminar: Problems in Interpretation.** An investigation of the more ad-
nced problems in oral interpretation, such as creation of atmosphere, use
restraint, impersonation, and impressionism. Prerequisites: 18 hours in
terpretation and theater and consent of instructor.
24–6 (3,3) **Problems in Rhetoric and Public Address.** Rhetorical theory and
iticism of public address examined. Classical and contemporary theory and
ractice studied.
25–4 **Seminar: Speech Education.** Problems of philosophy and methods of
aching speech in the elementary and secondary schools. Prerequisite: 306
consent of instructor.
26–3 **Seminar in Theater Arts.**
27–3 **The College Forensic Program.** Individual studies of the problems en-
untered in the organization and direction of the college forensic program.
32–4 (2,2) **Areas and Techniques of Research in Speech.** Study and analysis
outstanding works in the various areas of research. Lectures on research
chniques and study possibilities in the field.
30–4 **Seminar: Experimental Communications Research.** Types of quantita-
e research and methods of observation and data collection most relevant
the study of human communication. Prerequisite: 428, 429, and two courses
statistics.
32–4 **Seminar in Non-quantitative Research Methods.** Survey and critical
alysis of non-quantitative approaches to the study of communication, par-
ularly relating to methods of observation, data collection, and interpreta-
n. Emphasis on case and field studies. Prerequisite: 410.
99–2 to 9 **Thesis.** Minimum of 5 hours to be counted toward a master's degree.
00–1 to 48 **Dissertation.** Minimum of 36 hours to be earned for the Doctor
Philosophy degree.

Speech Pathology and Audiology

00–1 to 4 **Independent Study in Speech Pathology and Audiology.** Activities
volved shall be investigative, creative, or clinical in character. Must be
ranged in advance with instructor. May be repeated for as much as 6
urs of credit.
05–12 (4,4,4) **Practicum in Speech and Hearing Therapy.** Clinical and school
ocedures in speech correction and audiology. One hour of class per week,
d 2 hours of clinical activity or work on clinically related projects for
ch hour of credit. (a) Emphasizes therapeutic procedures. (b) Emphasizes
agnostic techniques. (c) Emphasizes the utilization of forms and the prepa-
tion of reports. Need not be taken in sequence, but a,b or c cannot be re-
lated. Prerequisite: junior standing in department.
06–4 **Techniques and Interpretation of Hearing Tests.** (Same as Special
lucation 406.) Principles and techniques of testing the hearing and interpret-
g those tests in terms of the individual's needs. Prerequisite: 416 or con-
nt of instructor.
09–4 **Research Techniques in Speech Science.** A presentation of the re-
arch techniques used in speech science with particular emphasis on equip-

ment, experimental design, and study of significant research contributio to the field. Prerequisite: advanced standing or consent of instructor.
412–4 Cerebral Palsy. An investigation of the etiology, problems, and thera of cerebral palsy. Prerequisites: 212, 414 or consent of instructor.
414–4 Anatomy and Physiology of Speech and Hearing Mechanisms. (S Physiology 414.)
415–4 Aphasia. An investigation of the etiology, problems, and therapy aphasia. Prerequisite: 412, 414 or consent of instructor.
416–4 Introduction to Audiology. Provides the student with a basic orien tion to the professional field of audiology, its history and its goals. Ba acoustics, the phylogeny, anatomy and physiology of the human ear, a significant pathologies of the ear are presented. Prerequisite: junior standi or consent of instructor.
419–4 Communication Problems of the Deaf and Hard of Hearing. (Same Special Education 419.) Objectives and techniques for the teaching of reading, speech conservation, and auditory training. Prerequisite: 406 or c sent of instructor.
420–4 Advanced Clinical Audiometry. Principles and procedures for advanc audiometric testing, advanced problems in bone conduction measurements, evaluation of loudness recruitment, in topodiagnostic audiometry, and n organic hearing loss are presented. Practical techniques include speech audio etry, Bekesy audiometry, conditioned pure tone electrodermal audiomet and use of the Zwislocki Acoustic Bridge. Prerequisites: 416 and 406 or c sent of instructor.
428–4 Speech Correction for the Classroom Teacher. (Same as Special E cation 428.) Etiology and therapy of common speech defects. This cou may be taken by all inservice teachers, seniors, and graduate students education.
515–1 to 4 Readings in Speech Pathology and Audiology. Supervised a directed readings in specific areas of speech pathology.
516–4 Seminar in Psychoacoustics. Advanced study of the behavioral respo of the human hearing mechanism to the various parameters of the acou stimulus; threshold sensitivity, loudness, pitch, localization, modulation, be and masking. Prerequisites: 406, 416, 520.
520–4 Seminar in Physiological Acoustics. Advanced study of the physiologi responses of the middle and inner ear to the acoustic stimulus. Theories middle ear function and of cochlear function are presented in detail. P requisites: 416, 406.
521–1 to 4 Seminar in Articulation and Delayed Speech. Special problems language development and articulation.
522–4 to 16 (1 to 4 each) Seminar in Organic Speech Problems. **(a)** Devel mental anatomy and physiology. **(b)** Teratology, surgery, and dentistry. Neuropathological bases. **(d)** Clinical management. Must be taken in a,b sequence or by consent of instructor. Prerequisite: graduate standing in partment.
524–4 Seminar in Language Disorders. Examination of language disorders sociated with childhood. Procedures for the evaluation of aberrant langu development in clinical populations in contrast to the linguistic developm of normal speakers. Includes study of current psycholinguistic research i factors affecting the acquisition of phonological, syntactical, and morphoph mic rules of English. Practicum in language diagnostics and therapeutics.
528–4 Seminar in Experimental Audiology. Basic psychophysical meth basic operating principles of electronic equipment, and the use of laborat sound-production and measurement equipment will be presented. Students design and perform model psycho-acoustic experimentation. Prerequisi 520 and 516, or consent of instructor.
529–3 to 12 (1 to 4 each) Seminar in Stuttering Behavior. **(a)** Emphas theoretical analysis, **(b)** emphasis on diagnostic techniques, **(c)** applica of principles to therapy. Must be taken in a,b,c sequence or by consen the instructor.
530–1 to 4 Research Problems in Speech Pathology and Audiology. Indivi work upon selected problems for research.
531–1 to 4 Seminar in Experimental Phonetics. An investigation into the perimental approaches for the study of the phenomena of speech.
533–1 to 4 Seminar in Speech Science. Special problems in voice science acoustic perception.

34–1 to 4 Seminar in Instrumentation. Familiarity with instruments, their uses, capabilities, and limitations, as they apply to the study of speech and hearing.
36–1 to 4 Seminar in Administration of Speech and Hearing Programs. A study of program settings, organizational procedures, and professional interrelationships in adult speech and hearing therapy. Field trips to rehabilitation centers and related agencies.
99–2 to 9 Thesis.
00–1 to 48 Dissertation.

Technical and Industrial Education

08–3 Teaching Aids in Technological Education. Selection, development, analysis, cataloging, and use of commercial and self-made instructional aids and devices.
19–8 to 16 Student Teaching in Technical Programs. Experience in working with special and post-high school technical training programs in approved centers. The student teacher will follow the program of the supervisors of the primary specialization in both regular and extra-class activities. Prerequisite: 9 hours professional courses.
20–8 (4,4) Enterprise: The Man-Machine System. Classroom, laboratory, and library study of man-machine systems in a variety of industries and institutions, with emphasis on teaching children and youth to understand the world of work. For advanced students and experienced teachers. Must be taken in a,b sequence. Prerequisite: 20 hrs. in Technical and Industrial Education.
21–3 Principles of Enterprise Teaching. Problems and special methods of teaching in enterprise education programs. Prerequisite: 16 hours technical and industrial education courses.
22–3 Curriculum Development in Enterprise. Selection, development, and evaluation of content, methodology, and hardware and software instructional systems for programs about man and technology. For advanced students and experienced teachers. Prerequisite: 20 hours technical and industrial education courses.
25–2 to 8 Practicum in Technology. Experiences in the industrial applications of technological knowledge. Cooperative arrangements with selected corporations and professional organizations provide opportunity to study technical problems in the industrial environment under the direction of specialists. Prerequisite: 12 hours in technical subjects.
30–2 to 8 Special Problems in Industry and Technology. Special opportunity for students to obtain assistance and guidance in the investigation and solution of selected technical problems. Prerequisite: consent of instructor.
35–6 to 18 Manual Arts Internship. Supervised hospital experience featuring various applications of manual arts therapeutical treatments. Prerequisite: consent of coordinator.
50–1 to 12 (1 to 4 per quarter) Advanced Skills in Technical Subjects. Modern industrial practices and techniques in various selected technical fields. For experienced persons seeking an opportunity to develop advanced techniques and to increase understanding in specialized industrial fields. Emphasis on modern industrial processes, methods, materials, and techniques used in school shops, drafting rooms, and industrial organizations. Prerequisite: basic training in area selected for study. Limited to certified teachers.
65–8 (4,4) Industrial Safety. (See Engineering Technology 465.)
80–3 Curriculum Development in Industrial Arts Education. Selection, development, and analysis of new concepts in technology, man, and enterprise for use in the schools. New methodology and apparatus for teaching are developed. For advanced students and experienced teachers. Prerequisite: 0 hrs. in TIED.
85–3 Principles and Philosophy of Vocational and Technical Education. Same as Agricultural Education 485, Agricultural Industries 485, Home Economics Education 485, Secondary Education 485, and Secretarial and Business Education 485.) Team teaching used. Gives an understanding of the nature and purposes of practical arts, vocational and technical education, their relationships and differences, and the place of each in preparing people for the world of work. Prerequisite: student teaching.

488–3 Analysis for Occupational Education. Fundamentals of analyzing oc cupations and careers for establishing units of instruction for occupationa education courses. Required for occupational teachers, coordinators, an supervisors. Prerequisite: 12 hours in teaching specialty.
489–3 Organization of Subject Matter. Course and unit construction, prepara tion of materials for distribution to students, preparation of teacher-mad tests, course evaluation and updating. Prerequisite: 488.
490–3 Principles of Occupational Teaching. Methods of teaching in occupa tional education programs. Required for occupational teachers, coordinator and supervisors. Prerequisite: 12 hours in teaching specialty.
500–8 (4,4) Legislation, Organization, and Administration of Occupation Education. (a) Historical and contemporary thought and practice re feder and state legislation for occupational education in sundry institutions. Legi lators are used as resource persons. Required for supervisors. (b) Polici governing the organization and administration of programs in states and loc agencies. Students write a proposal for a new program. Must be taken a,b sequence.
502–6 (3,3) Measurements and Evaluations of Products and Procedure Criteria and instrument development, testing techniques, and appraisal Special emphasis given to the principles and methods of evaluation of pro ress in laboratory and shop subjects of a practical arts nature. Experien in development and construction of pertinent and effective evaluative device Prerequisite: one course in tests and measurement.
505–4 Administration and Supervision of Industrial Education. Principle practices, and techniques relating to supervising and administering loc programs. Required for vocational coordinators and supervisors.
506–4 Cooperative Programs. Problems and procedures involved in setting u and operating cooperative work-study programs. Required for vocational c ordinators.
510–4 Planning Occupational Education Facilities. Principles and practices planning classrooms and laboratories for occupational education program How to work with administrators, staff, and paid professionals to assu judicious location and design of facilities.
525–3 Interrelated Vocational Cooperative Education. (Same as Agricultur Education 525, Agricultural Industries 525, Home Economics Education 52 and Secretarial and Business Education 525.) Team teaching used. Interrelat cooperative programs as they are developed in America, and especially Il nois, are presented. Coordinators' duties and responsibilities along with t operation of interrelated vocational cooperative programs are featured. Pr requisite: student teaching.
540–2 to 6 Research in Technological Education. Basic research methods a techniques in the design, investigation, and reporting of research studies r lating to technology and technological education.
541–4 Occupational Information and Guidance. Designed for school counselo industrial supervisors, and teachers to give them orientation to and expe ence with occupational information and vocational adjustment.
550–4 College Teaching of Industrial and Technical Subjects. Problems college students and their adjustments to college-level industrial and technic subject-matter. Organization of instructional materials; methods of instructio organization and administration of college laboratory facilities; and the pr fessional problems, ethics, and advancement of college technical teachers.
560–2 to 12 (2 to 8 per quarter) New Developments in Technological Educ tion. An intensive course designed to acquaint graduate students and teache with the most recent and significant developments, pressing problems, a emerging trends in the industrial education and technical fields. Select subjects will be considered by recognized authorities in the field, who w present their ideas and conduct discussions on the selected topics.
570–2 to 6 Special Investigations. (Same as Applied Science 570.)
580–1 to 9 Seminar. (Same as Applied Science 580.)
599–1 to 9. Thesis.

Theater

401–4 Creative Dramatics. (See Speech 401.)
402–8 (4,4) Play Directing. (a) The principles and procedures of play dir tion including play selection, interpretation, and the patterning of audit

and visual stimuli. (b) Continuation of 402a emphasizing rehearsal procedures, control of tempo and mood, styles of presentation and performance, and other techniques in the direction of plays.

403–4 Aesthetics of the Drama and the Theater. Principles and practice of modern dramatic production in the light of modern aesthetic theory. A course attempting to formulate an aesthetic judgment of the theater.

404–4 Theater Management. Theater operational procedure, including both fundamental structuring and house management. The former aspect includes administration, purchasing, and accounting practices, ticket sales, publicity, promotion, and public relations. The latter covers the management of box-office and ushering.

405–8 (4,4) The Scenic Imagination. (a) A study of the purely creative side of stage production. It includes an analysis of the script and its meaning for an audience; a poetic evaluation of the setting, costumes, and lighting; and the blocking out of the stage action. (b) Theater research and documentation; an approach to sketches and models; a review of the historic forms of staging, with emphasis on the modern styles from naturalism to epic theater.

406–1 American Professional Theater Procedures and Practices. An introduction to the everyday realities of a professional stage career, including problems of survival, professional ethics and protocol, personal relations, and the function of stage unions.

409–4 High School Theater and Its Production Problems. Consideration of stages, machinery, equipment, light controls and instruments, production techniques, and analysis of basic needs of high school theater.

410–3 Children's Theater. Creative dramatics; dramatization of children's literature; play production for elementary schools. Recommended for education concentrations.

411–4 Playwriting. The writing of a full-length play, a children's play, or a historical pageant-drama forms the basis of the course. Students may elect to write two one-act plays. Individual conferences supplement the class discussion and analysis of student writing. Prerequisite for graduate students: consent of instructor.

412–4 Stage Design. The design of settings for the stage and other dramatic media. Prerequisite: 207.

414–4 Costume Design.

415–4 Advanced Costume Design.

416–4 Current Theories and Practices in the Teaching of Dance. (See Physical Education 416.)

417–4 Advanced Acting. Lectures, readings, and practical application dealing with advanced studies of characterizations and acting styles on an individual basis. Prerequisite: 217, 317.

432–4 Stage Lighting. Instruments and control equipment; principles and techniques of lighting dramatic productions.

438–4 Contemporary Developments in the Theater. Critical study of theory and practice in acting, directing, production, and architecture in the modern theater. The rise and development of the film, radio, and television as dramatic media.

502–4 Advanced Directing. Study of and practice in the techniques of directing period plays, verse plays, music dramas, arena productions and other types and styles of plays presenting special directing problems.

503–12 (4,4,4) Advanced Technical Problems. Solutions of problems presented by certain types of plays and modes of production. (a) Scene design. (b) Stage lighting and sound. (c) Costume design. Prerequisite: consent of department.

504–4 The Comic Theater. A study of comedic theory as applied to major types of dramatic composition. Dramatic theories of comedy from Aristotle to Freud are explored. Individual reports.

505–4 The Tragic Theater. An examination of tragic drama and criticism as related to the societies which produced such drama. Particular emphasis is placed upon the Athenian, Elizabethan and modern theater.

506–4 The American Theater. The study of the development of the drama and the theater in the United States from colonial times to the present. Prerequisite: 313 or its equivalent.

509–4 The High School Theater and its Production Problems. Consideration of stages, machinery, equipment, light controls and instruments, production techniques, and analysis of basic needs of high school theater.

518–4 Theater Audience. A course attempting to determine (1) the relations

between the drama, **mise-en-scene,** and theater audience; and (2) the psychological nature of the spectator's experience in the theater.
519–1 to 12 Theater Practicum. Practical experience in acting, directing, and associated work on campus, on area tours, and in summer stock.
526–3 to 12 Seminar in Theater Arts. Special problems of interest to advanced students. Subject is determined by the instructor. Seminar in same subject cannot be repeated. Prerequisite: consent of department.
530–1 to 4 Research Problems in Theater. Individual work upon selected problems for research.
599–1 to 9 Thesis. Minimum of 5 hours to be counted toward a master's degree.

Zoology

400–2 Animal Taxonomy. The concepts of taxonomy and their use in zoology. Prerequisite: one year of biology or consent of instructor.
401–5 Genetics. Principles of inheritance, including genetic mechanism, mutation, and selection. Prerequisites: 15 quarter hours of biological science and consent of instructor.
402–4 Natural History of Invertebrate. Observation, identification, and life histories. Designed for teachers. Not for students specializing in invertebrate zoology. Prerequisite: one year of zoology including 102.
403–4 Natural History of Verebrate Animals. Observation, identification, and life histories. Designed for teachers. Not for students specializing in vertebrate zoology. Prerequisite: one year of zoology including 103.
404–2 to 8 Zoology Field Studies. A trip of four to eight weeks to acquaint students with animals in various environments and/or with methods of field study, collection, and preservation. Cost per individual will be approximately $25 per week. (Only 4 hours may be used for credit.) Prerequisite: consent of department.
406–4 Protozoology. Taxonomy, cytology, reproduction, and physiology of unicellular animals including laboratory methods of culturing. Prerequisite: one year of zoology including 102 or consent of instructor.
407–5 Parasitology. Principles, collection, identification, morphology, life histories, and control measures. Prerequisite: one year of zoology including 10
408–4 Herpetology. Taxonomic groups, identification, and natural history of amphibians and reptiles. Prerequisite: one year of zoology including 103.
409–5 Histology. Microscopic structure of organs and tissues with emphasis on mammalian forms. Prerequisite: 202.
410–5 Vertebrate Paleontology. History of vertebrate animals in terms of their morphological change, geological succession, and ecological relationships. Prerequisite: 202 or Geology 301.
413–5 The Invertebrates. Structure, development, and natural history of invertebrates, except insects and parasites. Prerequisite: one year of zoology including 102.
414–4 Fresh-Water Invertebrates. Taxonomic groups, identification, and natural history of the regional fauna. Prerequisites: one year of zoology including 102.
415–4 Limnology. Lakes and other inland waters, the organisms living in them, and factors affecting these organisms. Prerequisite: one year of zoology, including 102.
441–4 Developmental Biology. Principles of development and organization. Prerequisites: 300 and one course in cellular physiology, or consent of instructor.
459–4 Game Birds. Natural history and management. Prerequisite: one year of zoology including 103.
461–4 Mammalogy. Taxonomic groups, identification, and natural history of mammals. Prerequisite: one year of zoology including 103.
463–4 Wildlife Management. General survey of management techniques. Prerequisites: one year of biological science, consent of instructor.
465–4 Ichthyology. Taxonomic groups, identification, and natural history of fishes. Prerequisite: one year of zoology including 103.
466–4 Fish Management. Sampling, dynamics, and manipulation of fish populations, age and growth of fishes, and habitat improvement. Prerequisite: one year of biological science, consent of instructor.
467–4 Ornithology. Classification and recognition of birds and the study of

their songs, nests, migratory habits, and other behavior. Cost of field trips is $5 to $10 per student. Two lectures and 4 laboratory hours per week. Prerequisite: one year zoology including 103.

471–4 Entomology. Structure, classification, and life histories of insects. Two lectures and 4 laboratory hours per week. Prerequisite: 102.

508–4 Helminthology. Identification, structure, physiology, and life history of parasitic worms. Prerequisite: consent of instructor.

512–3 Animal Geography. Principles of the distribution of the animals of the world. Prerequisite: consent of instructor.

514–4 Advanced Entomology. Morphology, physiology, systematics, and distribution of insects. Prerequisite: 471.

520–5 Advanced Invertebrates. The nature and life of invertebrate animals with emphasis on comparative form, function, behavior, and occurrence. Prerequisite: consent of instructor.

521–4 Advanced Limnology. The physical, chemical, and biological factors affecting organisms in streams. Emphasis on the effects of pollution. Prerequisite: 415 and consent of instructor.

525–5 Cytology. (Same as Botany 525.) Microscopic study of protoplasm, including mitosis and meiosis; discussions of cytological behavior. Prerequisite: consent of instructor.

540–3 Factors in Animal Reproduction. Genetic and physiological factors in determination, differentiation, and modification of sex in animals. Prerequisite: consent of instructor.

542–3 Osteology. Modification of the vertebrate skeleton as a result of growth, functional adaptation, and phylogenic relationship. Prerequisite: consent of instructor.

561–4 Game Mammals. Natural history and management. Prerequisite: consent of instructor.

566–4 Fish Culture. Production of game, food, and bait fishes. Design of facilities, chemical and biological variables, spawning techniques, diseases and nutrition. Prerequisite: consent of instructor.

577–3 Population Ecology. Principles of population dynamics as related to animals. Prerequisite: consent of instructor.

578–4 Population Genetics. Genetic structure of populations, factors causing changes, and principles governing rate and direction of change. Prerequisite: consent of instructor.

579–4 Animal Behavior. (Same as Psychology 579.) The biological basis for the actions and responses of animals. Prerequisite: consent of instructor.

580–4 Advanced Systematics. The implication of systematics, including the theory and dynamics of classification, speciation, population genetics, and evolution. Prerequisite: consent of instructor.

581–3 Readings in Current Zoological Literature. Prerequisite: graduate status in a biological science.

582–6 (1,1,1,1,1,1) Graduate Zoology Seminar. Special topics in zoology. Consult department for each term's topic.

583–3 (1,1,1) The Teaching of Zoology in College. Methods, practices, and objectives in teaching zoology. Designed as part of the apprenticeship program for preparation of college teachers. Prerequisite: graduate status in a biological science.

585–7 to 21 (Each Section 1 to 3) Seminar. (a) Seminar in animal behavior. (b) Seminar in developmental biology. (c) Seminar in ecosystems. (d) Seminar in wetland ecology. (e) Seminar in wildlife ecology. (f) Seminar in ornithology. (g) Seminar in parasitology. Prerequisite: consent of instructor.

596–2 to 12 Special Research. Investigations in zoology other than those for theses. Only 3 hours may be credited toward a degree. Prerequisite: consent of instructor.

599–2 to 9 Research and Thesis. For master's degree.

600–3 to 48 Research and Dissertation. For Doctor of Philosophy degree.

4 / Faculty

Graduate Instruction at Southern Illinois University is the responsibility of the faculty. Although the Graduate Faculty is not organized into departments, its members are normally affiliated with specific disciplines. Preceding the Graduate Faculty is a list of faculty members elected to the Graduate Council for the year 1969–1970.

The Graduate Council

John Andresen, Professor and Chairman of the Department of Forestry
William Bennewitz, Associate Professor of Mathematics
Gordon Bliss, Associate Professor of Teacher Education
David Christensen, Professor of Geography and Assistant Dean of the College of Liberal Arts and Sciences
Milton T. Edelman, Professor of Economics and Chairman of the Council
Marvin E. Johnson, Professor of Technology and Assistant Dean of the School of Technology
Harold M. Kaplan, Professor and Chairman of the Department of Physiology
T. K. Leasure, Professor and Chairman of the Department of Plant Industries
Don A. Livingston, Associate Professor of Business Administration
Allan McCurry, Associate Professor of History
John M. H. Olmsted, Professor and Chairman of the Department of Mathematics
Charles E. Richardson, Professor of Health Education
John A. Richardson, Professor of Art
Milton Russell, Associate Professor and Chairman of the Department of Economics
Eric Sturley, Professor of Mathematics
Howard Webb, Professor and Chairman of the Department of English

College of Liberal Arts and Sciences

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Associate Professors Milton Altschuler, Jerome S. Handler, Bruce B. MacLachlan
Assistant Professors D. Lee Guemple, Joel Maring, Roy Wagner, Jon D. Muller

Botany

Professors William C. Ashby, William D. Gray, Robert H. Mohlenbrock *(Chairman)*, L. V. Olah, Jacob Verduin, John W. Voigt
Associate Professors Margaret Kaeiser, Oval Meyers, Jr., Aristotel Pappelis, Walter E. Schmid
Assistant Professors W. Hardy Eshbaugh, Lawrence Matten, Donald R. Tindall

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Research Professor Harry T. Moore
Professors James Benziger, Hugh D. Duncan, William H. Evans, Josep Friend, Thomas Kinsella, Sidney P. Moss, Henry Dan Piper, Howa Schultz, William E. Simeone, E. Earle Stibitz, Charles D. Tenney, Dav Vieth, Howard W. Webb, Jr. *(Chairman)*, Georgia G. Winn
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Assistant Professors Erwin Atwood, John Matheson, Kenneth Starck, Clifton Lawhorne

Speech

Professors Earl E. Bradley, Dorothy C. Higginbotham, Ralph Micken *(Chairman)*, David Potter, C. Horton Talley
Associate Professors Lester R. Breniman, Cameron W. Garbutt, R. Paul Hibbs, Marion L. Kleinau, Thomas J. Pace, William D. Smith
Assistant Professors Rita Criste, Keith R. Sanders, Russell Jennings

Visiting Professor A. Craig Baird

Speech Pathology and Audiology

Professors John O. Anderson, I. P. Brackett *(Chairman)*, Eugen J. Brutten
Michael Hoshiko, Herbert Koepp-Baker
Associate Professors Chester J. Atkinson, Alfred B. Copeland, Cameron W
Garbutt, Joseph Millin
Assistant Professor Sue Ann Pace

Theater

Research Professor Mordecai Gorelik
Professors Archibald McLeod *(Chairman)*, Christian H. Moe
Associate Professors Sherwin Abrams, Charles W. Zoechler
Assistant Professors Darwin Payne, Eelin Harrison

School of Fine Arts

Art

Professors Herbert L. Fink *(Chairman)*, Burnett H. Shryock
Associate Professors Brent Kington, Nicholas Vergette
Assistant Professors Roy Abrahamson, Larry Bernstein, Thomas Walsh
Instructor Bill H. Boysin

Design

University Professor R. Buckminster Fuller
Lecturers Harold Grosowsky, Elsa Kula, H. F. William Perk *(Chairman*
Davis J. Pratt, Herbert Roan

Music

Research Professor Marjorie Lawrence
Professors Steven Barwick, Fred Denker, Roderick Gordon, Robert Hou
(Chairman), Robert Mueller
Associate Professors Will Gay Bottje, Lawrence Intravaia, Wesley Morga
Phillip Olsson, Robert Resnick, Charles Taylor, William Taylor, Mary
Wallace, John Wharton
Assistant Professors George Hussey, Robert Kingsbury, Melvin Siener, Ma
anne Webb, Kent Werner

School of Home Economics

Clothing and Textiles

Associate Professors Thelma Berry, Rose Padgett *(Chairman)*

Food and Nutrition

Professor Frank Konishi *(Chairman)*
Associate Professors Jennie M. Harper, Irene Payne

Visiting Professor Hazel Thompson

Home and Family

Professors Betty Jane Johnston *(Chairman)*, Michael Zunich
Associate Professor George Carpenter

Home Economics Education

Professors Anna Carol Fults *(Chairman)*, Eileen Quigley *(Emeritus)*

Associate Professor Dorothy M. Keenan

Visiting Professor Opal Rhodes

School of Technology

Professors Jose L. Amoros, Juh W. Chen, E. Leon Dunning, John H. Erickson, G. Robert Hoke, Eldred W. Hough, M. Keith Humble, Thomas B. Jefferson (Dean), Marvin E. Johnson, Julian H. Lauchner, William C. Orthwein, Wayne S. Ramp, Ernest J. Simon, Herman J. Stoever
Associate Professors Raymond E. Bittle, Marisa L. Canut, Philip K. Davis, F. Lee Grismore, James Jenkins, C Merrill Moeller, Sedat Sami, James G. Smith, Ronald W. Stadt
Assistant Professors Najim Al-Rubayi, Larry J. Bailey, Richard F. Bortz, Curtis W. Dodd, James L. Evers, Vernold K. Feiste, Howard Hesketh, Larry J. Kenneke, Albert C. Kent, Mark E. Klopp, Thomas M. McCalla, C. Raymond Nowacki, Dennis C. Nystrom, Sonny W. Pearson, Douglas S. Prensner, James Sullivan
Instructors E. Robert Ashworth, Dale H. Besterfield

Visiting Professor C. Rice

Rehabilitation Institute

Professors Nathan H. Azrin, Guy A. Renzaglia *(Director),* Edward S. Sulzer
Associate Professors John E. Grenfell, B. L. Hopkins, Joseph P. Miranti, Richard M. Sanders
Assistant Professors Robert L. Campbell, Margaret S. Gardner, Don F. Hake, Robert E. Lee, Walter Robinson, Harris B. Rubin, Brockman Schumacher, Louis Vieceli

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Southern Illinois University

Bulletin

Schedule of Classes, Fall Quarter, 1970
Carbondale Campus

SIU

This Bulletin

contains the schedule of classes to be offered by Southern Illinois University at Carbondale for the fall quarter, 1970, at Carbondale, Southern Acres, and Little Grassy Lake. It also provides information relative to admission, advisement, registration, and fees.

Schedule of Classes

Fall, 1970

Southern Illinois University at Carbondale

SOUTHERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 7, April 15, 1970. Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville, Illinois 62025. Published by Southern Illinois University, Carbondale, Illinois 62901, monthly except February, March, April, and December, when published semi-monthly.

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Registration Calendar
Fall Quarter, 1970

Monday, April 20–Thursday, October 1.

Registration period for graduate students. No graduate student wil be admitted or readmitted on September 21, 22, 23.

Tuesday, April 14–Thursday, May 28 and Monday, Jun 29–Friday, August 28.

Advanced registration period for all undergraduate students. Nev students should refer to the Advisement and Registration procedur on Page 1 for further procedural information. All continuing under graduate students are expected to be registered by August 28. Onl continuing students may register for fall during the spring quarte

Wednesday, September 2.

Undergraduate students will have their advanced registration car celled if fees are not paid at the Bursar's Office by 4:00 P.M. on thi date, unless they have received approval for deferred payment.

Beginning-of-the-Quarter Activities for Undergraduates

The dates listed below from September 18 through September 2 are for undergraduates. Graduate students may register throug the Graduate School through the second Friday of the quarter.

Friday, September 18

Residence halls open.
Advisement and registration for new General Studies students onl Upper division advisement centers will *not* be open this date.

Saturday, September 19

Advisement and registration of *all* new students continues. All a visement centers and pertinent offices will be open for processi of new transfer students. Offices will remain open as long as it tak to process the students. All new students are expected to be advis and registered by this date.

Sunday, September 20

New student orientation starts.

Monday, September 21

New student orientation continues. New students will *not* be advis or registered on this day.
Advisement and registration for all re-entry and continuing stude not yet registered.
This date will constitute the *last day* of regular registration for undergraduate students. Registrations after this date will involve late fee payment.

Tuesday, September 22, until 12 noon

New student orientation continues.

Advisement and registration for all re-entry and continuing students not yet registered.

This is a late registration date, and a late fee will be charged.

Tuesday, September 22, 1:00 P.M. *until 4:30* P.M.

Advisement and registration open only for program changes.

Night classes start (5:45 P.M. or later).

Wednesday, September 23

Day classes start.

Advisement and registration open only for program changes.

Thursday, September 24

Registration and program changes for anyone.

Friday, September 25

Last day to register or make program changes in which course is added or section is changed. *Registration ends at noon. A student who wants either to register or add a course after this date must receive approval from the dean of his academic unit.* Exceptions will be made for students *through Tuesday, September 29,* who have either a conflict causing them to need to change a section or who are involved with a cancelled class, causing them to make a change. In these instances the student will be processed through registration and given a letter from this office to the instructor allowing him into class late. A dean's permission will not be necessary for program changes based upon these two reasons which are made on Monday and Tuesday, September 28 and 29.

Monday, September 28.

Registration activities returned to Woody Hall.

Thursday, October 1.

Deadline for payment of fees by students whose fees were deferred. Graduate student registration will be cancelled if fees are not paid by 4:00 P.M.

Monday, October 5.

Last day officially to withdraw from school to be eligible for a refund of fees.

Monday, October 19.

Last day for undergraduates to officially withdraw from a course without receiving a letter grade.

Graduate students officially dropping a course after this date need not be given an evaluative letter grade.

Last day to change from credit to audit or vice versa for all students.

Thursday, December 3.

Last day for making a program change or withdrawing from school except under exceptional circumstances.

Calendar of Events

September

26, Saturday * Dental Aptitude Test

October

10, Saturday † Graduate Student Foreign Language Examination

17, Saturday * American College Test (Residual)

17, Saturday * Medical College Admission Test

17, Saturday * Law School Admission Test (tentative date)

24, Saturday * Graduate Record Examination

26, Monday * Test of English as a Foreign Language

29–31, Thursday–Saturday Homecoming (Carbondale)

November

7, Saturday * Admission Test for Graduate Study in Busines

14, Saturday * National Teacher Examination

14, Saturday Parents' Day

December

12, Saturday * American College Test (National)

12, Saturday * Graduate Record Examination

19, Saturday * Law School Admission Test (tentative date)

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* Pre-registration required. Please contact the Counseling and Testing Center at le four weeks in advance of the test date.

† Pre-registration required. Please contact the Graduate School at least four weeks advance of the test date.

University Calendar

SUMMER, 1970	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
FALL, 1970	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
WINTER, 1971	Quarter Begins	Monday, January 4 *
	Final Examinations	Saturday–Friday, March 13–19
SPRING, 1971	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12

Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and th the evening classes after 4:30 P.M. on the Edwardsville Campus.

1 / General Information

This bulletin contains the schedule of classes offered for the fall quarter, 1970, by Southern Illinois University at Carbondale. It also provides information relative to advisement and registration, fees, and allied information.

Admission

Inquiries concerning undergraduate admission to the Carbondale Campus should be directed to the Admissions Office; those on the graduate level to the Graduate School. Undergraduate admission applications should be completed at least thirty days in advance of the desired entrance date.

Registration and Advisement

The Carbondale Campus uses an academic advisement system whereby each undergraduate academic unit has a chief academic adviser and a number of assistant advisers selected from the teaching faculty. Undergraduate students entering the University for the first time will receive selective dates from the admission process from which they are to select the preferred date on which they will come to the campus to be advised and to advance register. This includes both freshmen and transfer students. They are not to write for appointments nor are they to come to Carbondale expecting to register unless it is the date indicated for them to do so.

Graduate students will initiate advisement with their advisers, and will complete the registration process at the Graduate School, where all registration forms will be completed and retained. Graduate students will not be required to go through the Registration Center. The registration process is handled at a later time, and the student receives a fee statement by mail. Cancellation of graduate student registrations for non-payment of fees occurs on the date indicated in the Registration Calendar. Graduate students may register during the period indicated in the Registration Calendar. No late fee will be assessed during this period. Graduate students who need to make program changes must follow the same procedure as undergraduate students in that these must be personally processed by the graduate students through the Registration Center.

After advisement the student may register for classes. See the Registration Calendar in this bulletin. Ordinarily, registration offices are open from 8:15 to 11:30 A.M. and 1:00 to 4:30 P.M., Monday through Friday, and from 8:30 to 11:30 A.M. on Saturday.

During the registration process the student goes through the Registration Center where the student assigns himself to specific sections of the courses he is to take.

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class.

New Students

Students entering the University for the first time are permitted to advance register only after they have been admitted to the University as evidenced by their receiving the Certificate of Admission.

New undergraduate students, freshmen and transfer, will be expected to advance register on the same date that they come to the campus for advisement. Dates for students to do so will be selective ones in which the students are asked to come to the campus on specific dates as determined by the University. Students should not expect to be advised and registered on the same date they are admitted nor are they to come to the campus for advisement and registration without an appointment. Appointments for advisement and registration will be mailed from and are to be returned to the Registrar's Office.

New graduate students may register during the registration periods indicated on the registration calendars. Arrangements should be cleared with the Graduate School to do so to assure that the appropriate adviser will be available.

Re-Entering Students

Students who have attended the University at some former time but not during the session immediately prior to the time they plan re-entry are expected to advance register during the periods outlined in the Registration Calendar. After completing readmission procedures (Admissions Office for undergraduate students and Graduate School for graduate students) advisement appointments should be made at the advisement offices of the academic units into which the students are entering and clearance of the registrations should be completed on that same day at the Registration Center.

Current Students, Carbondale Campus

Students currently registered in the University will be continued in their present curricula unless a change of college or major is made. A change of college or major area of concentration is initiated with the student's adviser. Either change should be made at the time of advisement.

Undergraduate students currently registered in the University will schedule appointments with their adviser. Registrations should be processed through the Registration Center as soon after advisement as possible.

Graduate students in a degree program should make appointments with the departmental adviser for program advisement. Unclassified graduate students preparing for a degree program should contact the departmental adviser for pre-advisement. Unclassified graduate students in other categories may report directly to the Graduate School for registration procedure. Unclassified students who are planning to take qualifying courses must report those courses to the Graduate Admissions office *before* registering each quarter.

Current Students, Edwardsville Campus

Undergraduate students attending the Edwardsville Campus who plan to attend the Carbondale Campus must initiate their registration process by presenting to the Admissions Office at Carbondale either an official transcript of their University record or a letter of good standing from the registrar at the Edwardsville Campus. The reason for reporting to the Admissions Office is to permit the necessary coding changes to be made so that pertinent information about their academic programs, etc., can be up-dated to reflect the change of campus. Graduate students report first to the Graduate School.

Payment of Fees

Undergraduate students receive their fee statements at the time of registration. During the advance registration period students are asked to delay paying their fees in person at the Bursar's Office until the day following registration. This is to permit necessary fee information to reach the Bursar by the time of fee payment. Students will find it easier simply to mail the fee statement along with a check or money order for the proper monetary amount to the Bursar's Office so as to arrive there by the deadline dates which are stated in the Registration Calendar located earlier in this bulletin. If students pay fees in person at the Bursar's Office they receive a Certificate of Registration at that time. When fees are paid by mail the Certificate will be mailed to the address given by the student on the back of his fee statement. Students will receive their printed schedule of classes within one week after the cancellation date. It is important that these forms be carried by the students at all times.

Undergraduate students registering at the start of a quarter must pay fees at the time of registration.

Graduate students receive fee statements by mail and must clear their fees at the Bursar's Office by 4:00 P.M. on October 1.

Fees for A Regular Quarter

The University reserves the right to change fees and to have the change go into effect whenever the proper authorities so determine. Undergraduate students pay the following regular fees:

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident	$22.00	$45.00	$67.00
Tuition Fee—Out of State Resident	(80.00)	(160.00)	(240.00)
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Athletic Fund Fee	3.00	6.50	10.00
Total—Illinois Resident	$41.50	$79.50	$115.50
Total—Out of State Resident	(99.50)	(194.50)	(288.50)

Students who register for a course for "Audit" or for a non-

credit course will be assessed fees according to the imputed hours of that course. "Imputed hours" is generally the number of hours the class meets per week.

Graduate students do not rent their textbooks and do not pay the book rental fee. They must purchase their books.

Students having special fee status, such as scholarship holders, faculty, and staff, will pay fees according to their particular status.

The activity fee is prorated according to the number of hours carried. Health Service benefits vary according to the amount paid. In certain instances graduate assistants, research assistants, graduate fellows, or students on fee code 27 may seek permission from the health service to pay the full activity fee even though they are only part time students. Written consent from the Health Service must be presented at the time of registration so that the student may be properly assessed.

Late Registration

A late registration fee will be charged any undergraduate student registering after the date specified in the Registration Calendar. Graduate students will not be charged a late fee if they register within the period indicated in the Registration Calendar.

Auditing of Courses

Students may register for courses in an "audit" status. They receive no letter grade and no credit for such courses. An auditor's registration must be marked accordingly. They pay the same fees as though they were registering for credit. They are expected to attend regularly and are to determine from the instructor the amount of work expected of them. If auditing students do not attend regularly, the instructor may determine that the students should not have the audited courses placed on their record cards maintained in the Registrar's Office. Students registering for a course for credit may change to an audit status or vice versa only for fully justified reasons and only during the first four weeks of a quarter. Such a change will require the student's academic dean's approval.

Program Changes

Students are officially registered only for those courses appearing on their schedule of classes. Any change therefrom can be made only after fees are paid and must be made through an official program change, which includes the following steps:

1. Initiating the change.
   Students report to their advisers for approval and Program Change form completion. Graduate students must also secure approval from the Graduate School. If the change involves only that of changing sections within the same course, this may be done at the Registration Center without the necessity of securing adviser approval.
2. Registration.
   Students must take the program change form to the Registration Center after approval by the adviser.

Program changes which involve the adding of a new course to the schedule or the changing of sections must be done by the "last day to add a class" as indicated in the Registration Calendar.

Dropping a Course

A program change must be made in order to drop a course. A student may not drop merely by stopping attendance. The last date for dropping a course by an undergraduate student without receiving a letter grade is the last day of the fourth week of a quarter. Graduate students may not necessarily receive a grade for dropping after the fourth week. (Refer to Registration Calendar.)

Changing Fee Status

Students making program changes which result in their moving from one fee status to another will be assessed additional tuition and fees when appropriate. If the change is to reduce the academic load resulting in a lower tuition and fee status, students may apply for the appropriate tuition and fee refund provided the reduction in program is made officially by a program change during the same period at the start of a quarter in which students withdrawing from the University are eligible for a refund. This is usually during the first ten days. For dates refer to the Registration Calendar.

Withdrawing from School

A student who finds it necessary to withdraw from school while the quarter is in progress must report to the Registrar's Office to initiate official withdrawal action. No withdrawal will be permitted during the last two weeks of a quarter, except under exceptional conditions. A refunding of fees is permitted only if a withdrawal is officially completed by Monday, October 5.

A student who advance registers, including paying of fees, and then finds that he cannot attend school must also officially withdraw from school. He may do this either by reporting to the Registrar's Office in person or by writing to the Dean of Students Office. This must be done by the end of the first two weeks, if he expects to get a refund.

Cancellation of Registration

An advance registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Dean of Students.

Personal Data Changes

At the time of registration students are asked to review a Biographic Data Sketch containing personal data. Certain items, if in error, may be corrected at that time. Other items which may require some type of verifying evidence, are changed by reporting to the offices listed below.

1. Local Address Change. Housing Office, Graduate School, Registrar's Office, Registration Center, or VTI Office.
2. Names Changes, Marital Status Changes, Date of Birth Changes. Records section of the Registrar's Office. Verification is required.
3. Selective Service Data Changes or Information. Enrollment, Fiscal Reports, Registrar's Office.
4. Legal Residence Changes (whether an Illinois or out-of-state resident). Must be requested by completion of the *Application to be Classified an Illinois Resident* form in the Registrar's Office. Before the change is made the student must have met the regulations governing residency status as established by the Board of Trustees.

2 / Schedule of Classes

Listing of Courses

Courses which students are to take to meet the General Studies requirements are listed in the front part of the Schedule of Classes. These courses are listed by the area which they satisfy and within the area by course number and section number.

Departments in which courses are being offered are listed in alphabetical order. Courses within each department are listed in order by course number and section number.

Course Numbers and Hours

The line containing this information shows the number of the course first, followed by the short title and number of hours of credit. Course numbers are three-digit numbers. In some cases the three digits may be followed by a letter which is also part of the course number.

In a variable-hour course the student decides the number of hours for which he is going to register in consultation with his adviser.

The course numbering system is as follows:

000–099 Course not properly in the following categories
100–199 For freshmen
200–299 For sophomores
300–399 For juniors and seniors
400–499 For seniors and graduate students
500–600 For graduate students only

Prerequisite

The prerequisite column lists requirements which must be satisfied before a student registers for the course. These prerequisites may be listed in various ways. Usually they are other courses in the same department, indicated by a course number. A prerequisite in another department is indicated by the department's code letters and the number.

Section Number, Time, and Days

The section number is indicated in the first column. The times given indicate the beginning and ending of each class period. Students registering for courses listed as "to be arranged" may obtain times and days from instructor indicated or, if no instructor is listed, from the department chairman offering the course.

Building and Room Number

The following list of building abbreviations will help in the location of classrooms. Buildings are listed alphabetically according to the code used in the class schedule. Temporary buildings are indicated in the schedule by a four digit number.

If a building contains more than one classroom, then the number of the room follows the building's code name.

CODE: BUILDING NAME

ABBOTT: Abbott Hall (T.P.)
AG: Agriculture Building
ALLYN: Allyn Building
ALTG: Altgeld Hall
ARENA: SIU Arena
BAILEY: Bailey Hall (T.P.)
BOAT: Boat Dock
BROWN: Brown Hall (T.P.)
CL: General Classroom Building
COMM: Communications Building
FELTS: Felts Hall (T.P.)
GYM: Gymnasium
HDBALL: Handball Courts
H EC: Home Economics Building
LAWSON: Lawson Hall
LAKE: Lake on the Campus
LIB: Morris Library
LG: Little Grassy Lake
LS I: Life Science Building I
LS II: Life Science Building II
L-APS: Physical Plant
OBF: Old Baptist Foundation
PARK: Parkinson Building

CODE: BUILDING NAME

PHY SA: Physical Science Building A
PHY SB: Physical Science Building B
PHY SC: Physical Science Building C
PIERCE: Pierce Hall (T.P.)
PULL: Pulliam Hall (University School)
PULL I: Pulliam Hall (Industrial Education Wing)
PULL P: Pulliam Hall (Physical Education Wing)
SHRY: Shryock Auditorium
STAD: McAndrew Stadium
TECH A: Technology Building A
TECH B: Technology Building B
TECH D: Technology Building D
TENNIS: Tennis Courts
U CTR: University Center
WARREN: Warren Hall (T.P.)
WHAM: Wham Education Building
WHLR: Wheeler Hall

Temporary Buildings

CODE	LOCATION
0403	1009 S. Forest
0412	907 S. Forest
0415	807 S. Forest
0429	1009 S. Elizabeth
0431	1007 S. Elizabeth
0432	1005 S. Elizabeth
0436	908 S. Forest
0437	904 S. Forest
0438	900 S. Forest
0442	903 S. Elizabeth
0448	814 S. Forest
0451	810 S. Forest
0452	808 S. Forest
0453	806 S. Forest
0461	811 S. Elizabeth
0465	804 S. Elizabeth
0481	910 S. Elizabeth
0483	1002 S. Elizabeth
0485	1006 S. Elizabeth
0487	1010 S. Elizabeth
0551	CESL
0552	CESL
0685	506 S. Graham
0686	511 S. Graham
0701	801 S. Washington
0720	Corner of Washington and Park St.
0721	East of 0720 on Park St.
0725	207 E. Pearl
0742	204 E. Park
0744	208 E. Park
0809	South of President's Office

0831 Farm Machine Shop—Between Physical Science & Forestry buildings.
0832 Journalism—Between Physical Science & Forestry buildings.
0833 Journalism Annex—Between Physical Science & Forestry buildings.

0834 Cinema & Photography—Between Physical Science & Forestry buildings.
0842 Bot-Zool lab.—General Studies—West of Ag. building's North wing.
0843 Bot-Zool lab.—General Studies—West of Ag. building's North wing.
0857 Design Main Office—East of Comm. building on Campus Drive.
0861 General Classrooms—Southeast of Comm. building on Campus Drive.
0862 General Classrooms—Southeast of Comm. building on Campus Drive.
0864 Zoology Annex 2—Northwest of Ag. building's North wing.
0865 Zoology Annex—Northwest of Ag. building's North wing.
0871 General Classrooms—Southeast of Comm. building on Campus Drive.
0875 General Classrooms—Southeast of Comm. building on Campus Drive.
0889 901 West Chautauqua.

Explanation of Entries

The entry for each course is arranged as follows:

First Line: The course's identification number is followed by the short title and the number of quarter hours of credit.

Second Line: The prerequisite (if applicable).

Section-Number Lines: The first column lists section numbers for courses offered. Following each section number are the time the class begins and the time it ends. The days on which the class meets, the place where it meets, and the instructor's last name complete the entry.

SCHEDULE OF GENERAL STUDIES COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR
General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)				
101A	INTRO-PHYS SCIENCE		04.0 CR	
1	08.00	M W FS	PARK	124
2	10.00	TWTHF	LAWSON	121
3	11.00	T TH	PARK	124
	11.00	M F	PHY SB	440
	NOTE ABOVE SECTION SPACE SCIENCE			
4	12.00	W F	PARK	124
	01.00	TH	PARK	124
	08.00-09.50	T	L-APS	110
5	12.00	W F	PARK	124
	01.00	TH	PARK	124
	10.00-11.50	T	L-APS	110
6	12.00	W F	PARK	124
	01.00	TH	PARK	124
	08.00-09.50	TH	L-APS	110
7	12.00	W F	PARK	124
	01.00	TH	PARK	124
	10.00-11.50	TH	L-APS	110
8	12.00	W F	PARK	124
	01.00	TH	PARK	124
	08.00-09.50	W	L-APS	110
9	12.00	W F	PARK	124
	01.00	TH	PARK	124
	08.00-09.50	F	L-APS	110
10	12.00	W F	PARK	124
	01.00	TH	PARK	124
	02.00-03.50	T	L-APS	110

11	12.00		W F	PARK	124
	01.00		TH	PARK	124
	02.00-03.50	M		L-APS	110
12	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	02.00-03.50	M		PARK	317
	01.00	T		PARK	124
13	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	10.00-11.50	W		PARK	317
	01.00	T		PARK	124
14	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	10.00-11.50		F	PARK	317
	01.00	T		PARK	124
15	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	10.00-11.50	T		PARK	317
	01.00	T		PARK	124
16	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	03.00-04.50		TH	PARK	317
	01.00	T		PARK	124
17	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	06.00-07.50 PM	T		PARK	317
	01.00	T		PARK	124
18	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	06.00-07.50 PM		TH	PARK	317
	01.00	T		PARK	124
19	01.00		TH	PHY SB	240
	10.00		S	PARK	124
	02.00-03.50		TH	L-APS	110
	01.00	T		PARK	124
20	02.00	TWTHF		LAWSON	121
	NOTE ABOVE SECTION SPACE SCIENCE				
21	02.00	M		PHY SB	240
	02.00-03.50		F	L-APS	110
	02.00	T TH		PARK	124
22	02.00	M		PHY SB	240
	02.00-03.50		W	L-APS	110
	02.00	T TH		PARK	124
23	02.00	M		PHY SB	240
	02.00-03.50		W	PARK	317
	02.00	T TH		PARK	124
24	02.00	M		PHY SB	240
	08.00-09.50		W	PARK	317
	02.00	T TH		PARK	124
25	02.00	M		PHY SB	240
	08.00-09.50		TH	PARK	317
	02.00	T TH		PARK	124
26	02.00	M		PHY SB	240
	08.00-09.50	T		PARK	317
	02.00	T TH		PARK	124
27	02.00	M		PHY SB	240
	10.00-11.50		TH	PARK	317
	02.00	T TH		PARK	124
28	02.00	M		PHY SB	240
	08.00-09.50		F	PARK	317
	02.00	T TH		PARK	124
29	04.00	TWTHF		PARK	124
30	05.00	TWTHF		PARK	124
31	06.00-07.40 PM	T TH		PARK	124
101B	INTRO-PHYS SCIENCE			04.0	CR
1	09.00		W FS	PARK	124
	08.00		TH	PARK	124
2	10.00	T TH		PARK	124
	10.00	M	F	TECH A	111
3	03.00	M W		PARK	124
	03.00	T TH		LS I	133

110A	EARTH ENVIRONMENT				04.0	CR	
1	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	10.00-11.50		M		PARK	213	
2	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	12.00-01.50		M		PARK	213	
3	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	08.00-09.50		T		PARK	213	
4	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	10.00-11.50		T		PARK	213	
5	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	12.00-01.50		T		PARK	213	
6	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	10.00-11.50			W	PARK	213	
7	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	08.00-09.50			TH	PARK	213	
8	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	10.00-11.50			TH	PARK	213	
9	08.00		M		LAWSON	141	BERTONI LOUIS
	08.00		T	TH	LAWSON	171	
	10.00-11.50			F	PARK	213	
10	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	08.00-09.50		M		PARK	213	
11	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	08.00-09.50			W	PARK	213	
12	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	08.00-09.50			F	PARK	213	
13	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50		M		PARK	213	
14	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50		T		PARK	213	
15	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	12.00-01.50			W	PARK	213	
16	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	12.00-01.50			TH	PARK	213	
17	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50			TH	PARK	213	
18	10.00		M	W F	LAWSON	171	BERTONI LOUIS
	02.00-03.50			F	PARK	213	
19	03.00		T	THF	LAWSON	171	JONES DAVID L
	12.00-01.50			F	PARK	213	
20	03.00		T	THF	LAWSON	171	JONES DAVID L
	04.00-05.50		M		PARK	213	
21	03.00		T	THF	LAWSON	171	JONES DAVID L
	04.00-05.50		T		PARK	213	
22	03.00		T	THF	LAWSON	171	JONES DAVID L
	02.00-03.50			W	PARK	213	
23	03.00		T	THF	LAWSON	171	JONES DAVID L
	04.00-05.50			W	PARK	213	
24	03.00		T	THF	LAWSON	171	JONES DAVID L
	04.00-05.50			TH	PARK	213	
25	03.00		T	THF	LAWSON	171	JONES DAVID L
	04.00-05.50			F	PARK	213	
26	03.00		T	THF	LAWSON	171	JONES DAVID L
	06.00-07.50	PM	T		PARK	213	
27	03.00		T	THF	LAWSON	171	JONES DAVID L
	06.00-07.50	PM		TH	PARK	213	
28	06.00-07.25	PM	T	TH	LAWSON	171	
	06.00-07.50	PM	M		PARK	213	
29	06.00-07.25	PM	T	TH	LAWSON	171	
	08.00-09.50	PM	M		PARK	213	
30	06.00-07.25	PM	T	TH	LAWSON	171	
	08.00-09.50	PM	T		PARK	213	

31	06.00-07.25 PM	T TH		LAWSON	171
	06.00-07.50 PM	W		PARK	213
32	06.00-07.25 PM	T TH		LAWSON	171
	08.00-09.50 PM	W		PARK	213
33	06.00-07.25 PM	T TH		LAWSON	171
	08.00-09.50 PM	TH		PARK	213
34	06.00-07.25 PM	T TH		LAWSON	171
	08.00-09.50		S	PARK	213
35	06.00-07.25 PM	T TH		LAWSON	171
	10.00-11.50		S	PARK	213

110B EARTH ENVIRONMENT 04.0 CR

1	12.00	T	F	LAWSON	151
	12.00	TH		LAWSON	161

LAB TO BE ARRANGED IN PARK 206

2	01.00	T TH		LAWSON	161
	01.00		F	LAWSON	141

LAB TO BE ARRANGED IN PARK 206

201A INTRODUCT BIOLOGY 04.0 CR

PREREQ GSA FIRST LEVEL OR CHEM 110 OR 111

1	09.00	M W F		LS I	133
	10.00-11.50	M		0842	101
2	09.00	M W F		LS I	133
	12.00-01.50	M		0842	101
3	09.00	M W F		LS I	133
	04.00-05.50	M		0842	101
4	09.00	M W F		LS I	133
	08.00-09.50	T		0842	101
5	09.00	M W F		LS I	133
	08.00-09.50	T		0842	108
6	09.00	M W F		LS I	133
	04.00-05.50	T		0842	101
7	09.00	M W F		LS I	133
	08.00-09.50	TH		0842	101
8	09.00	M W F		LS I	133
	12.00-01.50	TH		0842	101
9	09.00	M W F		LS I	133
	06.00-07.50 PM	TH		0842	101
10	09.00	M W F		LS I	133
	10.00-11.50		F	0842	101
11	10.00	M W F		LS I	133
	02.00-03.50	M		0842	101
12	10.00	M W F		LS I	133
	06.00-07.50 PM	M		0842	101
13	10.00	M W F		LS I	133
	10.00-11.50	T		0842	101
14	10.00	M W F		LS I	133
	12.00-01.50	T		0842	101
15	10.00	M W F		LS I	133
	04.00-05.50	T		0842	108
16	10.00	M W F		LS I	133
	10.00-11.50	TH		0842	101
17	10.00	M W F		LS I	133
	02.00-03.50	TH		0842	101
18	10.00	M W F		LS I	133
	04.00-05.50	TH		0842	101
19	10.00	M W F		LS I	133
	08.00-09.50		F	0842	101
20	10.00	M W F		LS I	133
	12.00-01.50		F	0842	101
21	01.00	M W F		LS I	133
	02.00-03.50	M		0842	108
22	01.00	M W F		LS I	133
	06.00-07.25 PM	M		0842	108
23	01.00	M W F		LS I	133
	10.00-11.50	T		0842	108
24	01.00	M W F		LS I	133
	02.00-03.50	T		0842	108
25	01.00	M W F		LS I	133
	06.00-07.25 PM	T		0842	108

26	06.00-07.25 PM	M W	LS I	133
	10.00-11.50	M	0842	108
27	06.00-07.25 PM	M W	LS I	133
	12.00-01.50	T	0842	108
28	06.00-07.25 PM	M W	LS I	133
	02.00-03.50	T	0842	101
29	06.00-07.25 PM	M W	LS I	133
	10.00-11.50	TH	0842	108
30	06.00-07.25 PM	M W	LS I	133
	12.00-01.50	TH	0842	108
31	06.00-07.25 PM	M W	LS I	133
	02.00-03.50	TH	0842	108
32	06.00-07.25 PM	M W	LS I	133
	04.00-05.50	TH	0842	108
33	06.00-07.25 PM	M W	LS I	133
	06.00-07.50 PM	TH	0842	108
34	06.00-07.25 PM	M W	LS I	133
	10.00-11.50	F	0842	108
35	06.00-07.25 PM	M W	LS I	133
	12.00-01.50	F	0842	108

GSA 201A - There will be an invitational "Honors" laboratory section formed the second week. An interested A or B student should try and keep 4:00-5:50 Mondays clear.

201B INTRODUCT BIOLOGY 04.0 CR
PREREQ GSA 201A

1	09.00	T TH	LS I	133
	12.00-01.50	M F	0843	102
2	09.00	T TH	LS I	133
	02.00-03.50	M F	0843	102
3	09.00	T TH	LS I	133
	10.00-11.50	T TH	0843	102
4	09.00	T TH	LS I	133
	12.00-01.50	T TH	0843	102
5	09.00	T TH	LS I	133
	12.00-01.50	T TH	0843	104
6	09.00	T TH	LS I	133
	04.00-05.50	T TH	0843	102
7	09.00	T TH	LS I	133
	06.00-07.50 PM	T TH	0843	102
8	09.00	T TH	LS I	133
	08.00-09.50	W F	0843	102
9	09.00	T TH	LS I	133
	08.00-09.50	W F	0843	104
10	09.00	T TH	LS I	133
	10.00-11.50	W F	0843	102
11	01.00	T TH	LS I	133
	12.00-01.50	M F	0843	104
12	01.00	T TH	LS I	133
	02.00-03.50	M F	0843	104
13	01.00	T TH	LS I	133
	08.00-09.50	T TH	0843	102
14	01.00	T TH	LS I	133
	08.00-09.50	T TH	0843	104
15	01.00	T TH	LS I	133
	10.00-11.50	T TH	0843	104
16	01.00	T TH	LS I	133
	02.00-03.50	T TH	0843	102
17	01.00	T TH	LS I	133
	02.00-03.50	T TH	0843	104
18	01.00	T TH	LS I	133
	04.00-05.50	T TH	0843	104
19	01.00	T TH	LS I	133
	06.00-07.50 PM	T TH	0843	104
20	01.00	T TH	LS I	133
	10.00-11.50	W F	0843	104

GSA 201B - There will be an invitational "Honors" laboratory section formed the second week. An interested A or B student should try and keep 4:00-5:50 Mondays and Wednesdays clear.

210A INTRC ENVIRON BICL 04.0 CR
PREREQ GSA 11C CR CHEM 115

1	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	09.00	M			LS I	308	
2	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	10.00	M			LS I	308	
3	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	11.00	M			LS I	308	
4	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	01.00	M			LS I	205	
5	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	01.00	M			LS I	308	
6	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	02.00	M			LS I	308	
7	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	03.00	M			LS I	308	
8	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	04.00	M			LS I	308	
9	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	05.00	M			LS I	308	
10	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	07.35-08.25 PM	M			LS I	308	
11	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	08.00	T			LS I	308	
12	09.00	M	W	F	LAWSON	151	PETERSEN BRUCE
	09.00	T			LS I	308	
13	01.00	M	W	F	LAWSON	151	
	03.00	W			LS I	308	
14	01.00	M	W	F	LAWSON	151	
	07.35-08.25 PM	W			LS I	308	
15	01.00	M	W	F	LAWSON	151	
	09.00	TH			LS I	308	
16	01.00	M	W	F	LAWSON	151	
	12.00	TH			LS I	308	
17	01.00	M	W	F	LAWSON	151	
	02.00	TH			LS I	308	
18	01.00	M	W	F	LAWSON	151	
	04.00	TH			LS I	308	
19	01.00	M	W	F	LAWSON	151	
	05.45-06.35	TH			LS I	308	
20	01.00	M	W	F	LAWSON	151	
	07.35-08.25 PM	TH			LS I	308	
21	01.00	M	W	F	LAWSON	151	
	09.00	F			LS I	308	
22	01.00	M	W	F	LAWSON	151	
	10.00	F			LS I	308	
23	01.00	M	W	F	LAWSON	151	
	11.00	F			LS I	308	
24	01.00	M	W	F	LAWSON	151	
	12.00	F			LS I	308	
25	03.00	M	W	F	LAWSON	141	
	10.00	T			LS I	308	
26	03.00	M	W	F	LAWSON	141	
	11.00	T			LS I	308	
27	03.00	M	W	F	LAWSON	141	
	02.00	T			LS I	205	
28	03.00	M	W	F	LAWSON	141	
	01.00	T			LS I	308	
29	03.00	M	W	F	LAWSON	141	
	02.00	T			LS I	308	
30	03.00	M	W	F	LAWSON	141	
	03.00	T			LS I	308	
31	03.00	M	W	F	LAWSON	141	
	04.00	T			LS I	308	
32	03.00	M	W	F	LAWSON	141	
	06.00 PM	T			LS I	308	
33	03.00	M	W	F	LAWSON	141	
	08.00	W			LS I	308	
34	03.00	M	W	F	LAWSON	141	
	09.00	W			LS I	308	

35	03.00		M	W	F	LAWSON	141
	11.00			W		LS I	308
36	03.00		M	W	F	LAWSON	141
	01.00			W		LS I	308
37	06.00-07.25	PM	M	W		LAWSON	151
	09.00		M			LS I	132
38	06.00-07.25	PM	M	W		LAWSON	151
	10.00			T		LS I	132
39	06.00-07.25	PM	M	W		LAWSON	151
	11.00			W		LS I	132
40	06.00-07.25	PM	M	W		LAWSON	151
	02.00			W		LS I	132
41	06.00-07.25	PM	M	W		LAWSON	151
	02.00				F	LS I	132
42	06.00-07.25	PM	M	W		LAWSON	151
	06.00	PM		T		LS I	205
43	06.00-07.25	PM	M	W		LAWSON	151
	02.00			TH		LS I	205
44	06.00-07.25	PM	M	W		LAWSON	151
	02.00				F	LS I	205
45	06.00-07.25	PM	M	W		LAWSON	151
	12.00			TH		LS I	205
46	06.00-07.25	PM	M	W		LAWSON	151
	01.00			TH		LS I	205
47	06.00-07.25	PM	M	W		LAWSON	151
	01.00				F	LS I	205
48	06.00-07.25	PM	M	W		LAWSON	151
	07.35-08.25	PM		W		LS I	205

2108 INTRO ENVIRON BICL 04.0 CR

PREREQ GSA 11C CR CHEM 115

1	09.00		M	W	F	LAWSON	161
	10.00			W		LS I	308
2	09.00		M	W	F	LAWSON	161
	07.35-08.25	PM		T		LS I	308
3	09.00		M	W	F	LAWSON	161
	02.00			W		LS I	308
4	09.00		M	W	F	LAWSON	161
	04.00			W		LS I	308
5	09.00		M	W	F	LAWSON	161
	05.00			W		LS I	308
6	09.00		M	W	F	LAWSON	161
	08.00			TH		LS I	308
7	09.00		M	W	F	LAWSON	161
	10.00			TH		LS I	308
8	09.00		M	W	F	LAWSON	161
	11.00			TH		LS I	308
9	09.00		M	W	F	LAWSON	161
	01.00			TH		LS I	308
10	09.00		M	W	F	LAWSON	161
	03.00			TH		LS I	308
11	09.00		M	W	F	LAWSON	161
	08.00				F	LS I	308
12	09.00		M	W	F	LAWSON	161
	01.00				F	LS I	308
13	01.00		M	W	F	LAWSON	161
	12.00			W		LS I	308
14	01.00		M	W	F	LAWSON	161
	02.00				F	LS I	308
15	01.00		M	W	F	LAWSON	161
	03.00				F	LS I	308
16	01.00		M	W	F	LAWSON	161
	04.00				F	LS I	308
17	01.00		M	W	F	LAWSON	161
	08.00				S	LS I	308
18	01.00		M	W	F	LAWSON	161
	09.00				S	LS I	308
19	01.00		M	W	F	LAWSON	161
	10.00				S	LS I	308
20	01.00		M	W	F	LAWSON	161
	11.00				S	LS I	308

21	01.00		M W F	LAWSCN	161		
	08.00		M	LS I	308		
22	01.00		M W F	LAWSON	161		
	06.00	PM	M	LS I	308		
23	01.00		M W F	LAWSCN	161		
	05.00		T	LS I	308		
24	01.00		M W F	LAWSON	161		
	06.00	PM	W	LS I	308		
299A	SURVIVAL OF MAN			04.0	CR		
1	03.00		T TH	LAWSCN	161		
	08.00		T TH	PARK	301		
2	03.00		T TH	LAWSON	161		
	09.00		T TH	PARK	301		
3	03.00		T TH	LAWSCN	161		
	11.00		M W	PARK	301		
4	03.00		T TH	LAWSON	161		
	12.00		M W	PARK	309		
5	03.00		T TH	LAWSCN	161		
	10.00		T TH	PARK	309		
6	03.00		T TH	LAWSCN	161		
	12.00		T TH	AG	154		
7	03.00		T TH	LAWSCN	161		
	10.00		M W	AG	188		
8	03.00		T TH	LAWSCN	161		
	02.00		T TH	PIERCE	130		
9	03.00		T TH	LAWSCN	161		
	04.00		M TH	PARK	301		
10	03.00		T TH	LAWSCN	161		
	04.00		W F	PARK	301		
301	PRIN OF PHYSIOLOGY			04.0	CR		
1	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	11.00-12.50		T	LS I	117		
2	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	02.00-03.50		M	LS I	117		
3	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	05.45-07.25		T	LS I	117		
4	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	02.00-03.50		W	LS I	117		
5	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	05.45-07.25		TH	LS I	117		
6	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	01.00-02.50		F	LS I	117		
7	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	08.00-09.50		M	LS I	117		
8	08.00		T THF	TECH A	111	GASS GEORGE H	AM
	08.00-09.50		W	LS I	117		
9	12.00		M W F	TECH A	111	STRACK LOUIS	
	09.00-10.50		M	LS I	117		
10	12.00		M W F	TECH A	111	STRACK LOUIS	
	11.00-12.50		TH	LS I	117		
11	12.00		M W F	TECH A	111	STRACK LOUIS	
	09.00-10.50		F	LS I	117		
12	12.00		M W F	TECH A	111	STRACK LOUIS	
	09.00-10.50		W	LS I	117		
13	12.00		M W F	TECH A	111	STRACK LOUIS	
	02.00-03.50		T	LS I	117		
14	12.00		M W F	TECH A	111	STRACK LOUIS	
	02.00-03.50		TH	LS I	117		
15	12.00		M W F	TECH A	111	STRACK LOUIS	
	05.45-07.25		W	LS I	117		
16	12.00		M W F	TECH A	111	STRACK LOUIS	
	08.00-09.50		S	LS I	117		
302	PSYC-PHSL FOUN BEH			03.0	CR		
	PREREQ GSA 2018 AND C						
1	11.00		T TH	AG	216		
	01.00-02.50		TH	LS I	120		
2	11.00		T TH	AG	216		
	08.00-09.50		S	LS I	113		
303	WILD FLOWERS			03.0	CR		
1	02.00		W	LS I	133		
	08.00-11.50		M	LS I	307		

	2	02.00		W	LS I	133	
		08.00-11.50		T	LS I	307	
	3	02.00		W	LS I	133	
		08.00-11.50		F	LS I	307	
	4	02.00		W	LS I	133	
		01.00-04.50		T	LS I	307	
	5	02.00		W	LS I	133	
		01.00-04.50		TH	LS I	307	
312	CONS OF NATURAL RES				03.0	CR	
	1	02.00	M	WTH	LAWSCN	161	LEFEBVRE EUGENE A
313	EVOLUTION				03.0	CR	
	PREREQ ONE YEAR OF BIOLOGY						
	1	09.00	M	W F	WHAM	105	STAINS HOWARD JAMES
315	HISTORY OF BIOLOGY				03.0	CR	
	1	01.00	M	W F	LAWSCN	171	GALBREATH
321	INTRO PALEONTOLOGY				03.0	CR	
	1	11.00		T TH	AG	166	UTGAARD JOHN EDWARD
		08.00-09.50	M		PARK	107	
	2	11.00		T TH	AG	166	
		10.00-11.50	M		PARK	107	
	3	11.00		T TH	AG	166	
		01.00-02.50	M		PARK	107	
	4	11.00		T TH	AG	166	UTGAARD JOHN EDWARD
		03.00-04.50	M		PARK	107	
	5	11.00		T TH	AG	166	UTGAARD JOHN EDWARD
		06.00-07.50 PM	M		PARK	107	
322	INTR TO ROCKS + MIN				03.0	CR	
	1	09.00	M	W	PARK	204	BELL FRANK J
		08.00-09.50		TH	PARK	112	
	2	09.00	M	W	PARK	204	BELL FRANK J
		10.00-11.50		TH	PARK	112	
	3	09.00	M	W	PARK	204	BELL FRANK J
		02.00-03.50		TH	PARK	112	
	4	03.00		T TH	PARK	204	BELL FRANK J
		12.00-01.50		TH	PARK	112	
	5	03.00		T TH	PARK	204	BELL FRANK J
		04.00-05.50		TH	PARK	112	
	6	03.00		T TH	PARK	204	BELL FRANK J
		06.00-07.50 PM		TH	PARK	112	
330	WEATHER				03.0	CR	
	1	03.00	M	W	LAWSCN	171	JONES DAVID L
		08.00		F	FELTS	130	
	2	03.00	M	W	LAWSCN	171	JONES DAVID L
		09.00		F	AG	144	
	3	03.00	M	W	LAWSCN	171	JONES DAVID L
		10.00		F	WHAM	302	
	4	03.00	M	W	LAWSCN	171	JONES DAVID L
		01.00		F	AG	144	
	5	03.00	M	W	LAWSCN	171	JONES DAVID L
		02.00		F	AG	144	
	6	03.00	M	W	LAWSCN	171	JONES DAVID L
		03.00		F	AG	144	
	7	03.00	M	W	LAWSCN	171	JONES DAVID L
		11.00		F	WHAM	203	
	8	03.00	M	W	LAWSCN	171	JONES DAVID L
		09.00		F	AG	150	
	9	03.00	M	W	LAWSCN	171	JONES DAVID L
		12.00		F	TECH A	122	
	10	03.00	M	W	LAWSCN	171	JONES DAVID L
		01.00		F	WHAM	210	
	11	03.00	M	W	LAWSCN	171	JONES DAVID L
		11.00		F	H EC	201	
	12	03.00	M	W	LAWSCN	171	JONES DAVID L
		03.00		F	AG	150	
31	CLIMATE				03.0	CR	
	1	09.00		T TH	LAWSCN	151	SHARPE DAVID M
		08.00		F	ABBOTT	129	
	2	09.00		T TH	LAWSCN	151	SHARPE DAVID M
		08.00		F	ARENA	125	
	3	09.00		T TH	LAWSCN	151	SHARPE DAVID M
		09.00		F	AG	120	

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    4     09.00              T TH     LAWSON  151   SHARPE DAVID M
          11.00                 F     WHAM    307
    5     09.00              T TH     LAWSON  151   SHARPE DAVID M
          02.00                 F     ARENA   119
    6     09.00              T TH     LAWSON  151   SHARPE DAVID M
          02.00                 F     WHAM    206
    7     09.00              T TH     LAWSON  151   SHARPE DAVID M
          12.00                 F     COMM   1022
    8     09.00              T TH     LAWSON  151   SHARPE DAVID M
          12.00                 F     TECH D  131
    9     09.00              T TH     LAWSON  151   SHARPE DAVID M
          10.00                 F     AG      170
   10     09.00              T TH     LAWSON  151   SHARPE DAVID M
          01.00                 F     WHAM    317
   11     09.00              T TH     LAWSON  151   SHARPE DAVID M
          03.00                 F     COMM   2012
   12     09.00              T TH     LAWSON  151   SHARPE DAVID M
          10.00                 F     AG      116
335A  ENVIRON POLLUTION                  03.0 CR
       PREREQ   GSA 101B, 201A,B OR 210A,B
    1     09.00           M W  F     LAWSON  121
340   ECOLOGY                           03.0 CR
    1     09.00           M WTH      LS I    323   ANDERSON ROGER
    2     01.00           M WTH      LS I    323   ANDERSON ROGER
358A  ANAL OF PHYS SYSTEM                 03.0 CR
       PREREQ   1ST LEVEL GSA + MATH 111A+B
    1     02.00              T TH     TECH A  111
          06.00-07.50 PM  M           TECH D  122
    2     02.00              T TH     TECH A  111
          06.00-07.50 PM     TH       TECH D  122
    3     02.00              T TH     TECH A  111
          09.00-10.50           S     TECH D  122
    4     02.00              T TH     TECH A  111
          10.00-11.50        TH       TECH D  122
358B  ANAL OF PHYS SYSTEM                 03.0 CR
       PREREQ   GSA 358A
    1     03.00              T TH     TECH A  111
          06.00-07.50 PM     T        TECH D  122
    2     03.00              T TH     TECH A  111
          10.00-11.50        T        TECH D  122
    3     03.00              T TH     TECH A  111
          08.00-09.50        T        TECH D  122
    4     03.00              T TH     TECH A  111
          08.00-09.50        TH       TECH D  122   JOURNEY LAWREN
361   ACOUSTICS OF MUSIC                  03.0 CR
    1     11.00           M W  F     LAWSON  161
363A  PHIL OF SCIENCE                     03.0 CR
       PREREQ   1ST LEV SEC OR ITS EQUIV IN
                AREA A
    1     11.00           M W  F     PHY SB  240
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General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)

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100A  WESTERN TRADITION                   04.0 CR
    1     09.00              T TH     LAWSON  161
          09.00                 F     LAWSON  171
          01.00                 F     0720    102
    2     09.00              T TH     LAWSON  161
          09.00                 F     LAWSON  171
          02.00              TH       H EC    202
    3     09.00              T TH     LAWSON  161
          09.00                 F     LAWSON  171
          03.00              TH       0720    103
    4     09.00              T TH     LAWSON  161
          09.00                 F     LAWSON  171
          04.00               W       H EC    104
    5     09.00              T TH     LAWSON  161
          09.00                 F     LAWSON  171
          08.00               W       0720    118
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6	09.00			T TH	LAWSCN	161	
	09.00			F	LAWSCN	171	
	10.00			W	0721	101	
7	09.00			T TH	LAWSCN	161	
	09.00			F	LAWSCN	171	
	11.00			TH	AG	188	
8	09.00			T TH	LAWSCN	161	
	09.00			F	LAWSCN	171	
	06.00	PM		W	0871	102	
9	09.00			T TH	LAWSCN	161	
	09.00			F	LAWSCN	171	
	10.00		M		0720	109	
10	09.00			T TH	LAWSCN	161	
	09.00			F	LAWSCN	171	
	09.00		M		CL	326	
11	11.00			T THF	WHAM	308	MCFARLIN
	09.00			T	PARK	204	
12	11.00			T THF	WHAM	308	MCFARLIN HARCLD A
	08.00			T	0862	101	
13	11.00			T THF	WHAM	308	MCFARLIN HARCLD A
	11.00			W	AG	148	
14	11.00			T THF	WHAM	308	MCFARLIN HARCLD A
	12.00			TH	0720	116	
15	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	11.00			W	AG	152	
16	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	12.00			W	0720	109	
17	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	01.00			TH	PHY SC	278	
18	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	02.00			F	PULL	41	
19	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	03.00			TH	H EC	104	
20	11.00			T TH	LAWSON	161	
	11.00			F	LAWSCN	171	
	04.00			T	H EC	102	
21	11.00			T TH	LAWSON	161	
	11.00			F	LAWSCN	171	
	11.00		M		CL	24	
22	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	09.00			W	0720	103	
23	11.00			T TH	LAWSCN	161	
	11.00			F	LAWSCN	171	
	10.00			W	H EC	120	
24	11.00			T TH	LAWSON	161	
	11.00			F	LAWSCN	171	
	07.35-08.25	PM		T	0862	102	
25	12.00			T TH	LAWSON	141	
	12.00			F	WHAM	105	
	07.00	PM	M		H EC	120	
26	12.00			T TH	LAWSCN	141	
	12.00			F	WHAM	105	
	03.00			W	0721	102	
27	12.00			T TH	LAWSCN	141	
	12.00			F	WHAM	105	
	03.00			T	H EC	120	
28	12.00			T TH	LAWSON	141	
	12.00			F	WHAM	105	
	06.00-07.00	PM	M		0871	102	
29	12.00			T TH	LAWSON	141	
	12.00			F	WHAM	105	
	04.00		M		CL	24	
30	12.00			T TH	LAWSCN	141	
	12.00			F	WHAM	105	
	07.00	PM		TH	0871	102	

31	12.00		T TH	LAWSON	141	
	12.00		F	WHAM	105	
	06.00	PM	M	H EC	120	
32	12.00		T TH	LAWSON	141	
	12.00		F	WHAM	105	
	02.00		TH	ARENA	125	
33	12.00		T TH	LAWSON	141	
	12.00		F	WHAM	105	
	08.00		M	CL	109	
34	12.00		T TH	LAWSON	141	
	12.00		F	WHAM	105	
	09.00		T	H EC	102	
35	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	09.00		W	CL	326	
36	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	11.00		W	0861	101	
37	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	01.00		M	AG	222	
38	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	02.00		W	H EC	120	
39	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	03.00		W	WHAM	305	
40	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	04.00		T	H EC	122	
41	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	06.00	PM	M	H EC	118	
42	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	07.35-08.25	PM	T	H EC	206	
43	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	09.00		T	H EC	118	
44	01.00		T TH	LAWSON	171	
	01.00		F	WHAM	105	
	03.00		F	WHAM	305	
45	07.30-09.00	PM	M W	LAWSON	161	BREHM
	06.00	PM	T	H EC	118	
46	07.30-09.00	PM	M W	LAWSON	161	
	05.00		T	H EC	118	
47	07.30-09.00	PM	M W	LAWSON	161	
	07.30-08.20	PM	T	H EC	102	
48	07.30-09.00	PM	M W	LAWSON	161	
	06.00	PM	TH	H EC	102	
49	07.30-09.00	PM	M W	LAWSON	161	
	07.30-08.20	PM	TH	H EC	102	
50	07.30-09.00	PM	M W	LAWSON	161	
	04.00		M	WHAM	202	
51	07.30-09.00	PM	M W	LAWSON	161	
	04.00		T	H EC	104	
52	07.30-09.00	PM	M W	LAWSON	161	
	02.00		TH	H EC	104	
SECT 52-PRESIDENTS SCHOLARS ONLY						
53	07.30-09.00	PM	M W	LAWSON	161	
	02.00		TH	AG	152	
54	07.30-09.00	PM	M W	LAWSON	161	
	05.00		W	H EC	201	
100B WESTERN TRADITION				04.0	CR	
PREREQ 100A						
1	08.00		M W F	WHAM	308	
	08.00		T	0720	117	
2	08.00		M W F	WHAM	308	
	02.00		T	PARK	301	
3	08.00		M W F	WHAM	308	
	03.00		M	0721	101	

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 4     08.00              M W  F    WHAM     308
       01.00                W       0720     101
 5     02.00              M W  F    LAWSCN   171   ZUCKER
       12.00              M         0875     101
 6     02.00              M W  F    LAWSCN   171
       02.00                T       0720     106
 7     02.00              M W  F    LAWSCN   171
       03.00                 TH     0720     106
 8     02.00              M W  F    LAWSCN   171
       04.00                 TH     0720     114
 9     02.00              M W  F    LAWSCN   171
       03.00                W       0720     114
10     02.00              M W  F    LAWSCN   171
       08.00                W       H EC     201
11     02.00              M W  F    LAWSCN   171
       07.35-08.25 PM     M         0862     102
12     02.00              M W  F    LAWSCN   171
       06.00        PM      T       H EC     102
13     02.00              M W  F    LAWSCN   171
       08.00                 TH     CL        24
14     02.00              M W  F    LAWSCN   171
       11.00                   F    0861     102
15     02.00              M W  F    LAWSCN   171
       12.00                T       H EC     201
16     02.00              M W  F    LAWSCN   171
       02.00                T       H EC     118
102A  MAN AND HIS WORLD                    04.0 CR
 1     09.00                T TH     LAWSON   141
       08.00                   F     WHAM     105
       02.00                   F     H EC     306
 2     09.00                T TH     LAWSCN   171
       08.00                   F     WHAM     105
       03.00                   F     H EC     306
 3     09.00                T TH     LAWSCN   171
       08.00                   F     WHAM     105
       04.00                   F     H EC     306
 4     09.00                T TH     LAWSON   171
       11.00              M         H EC     306
       08.00                   F     WHAM     105
 5     09.00                T TH     LAWSON   171
       12.00              M         H EC     306
       08.00                   F     WHAM     105
 6     09.00                T TH     LAWSCN   171
       01.00              M         H EC     306
       08.00                   F     WHAM     105
 7     09.00                T TH     LAWSCN   171
       02.00              M         H EC     306
       08.00                   F     WHAM     105
 8     09.00                T TH     LAWSON   171
       03.00              M         H EC     306
       08.00                   F     WHAM     105
 9     09.00                T TH     LAWSON   171
       04.00              M         H EC     306
       08.00                   F     WHAM     105
10     09.00                T TH     LAWSCN   171
       02.00                T       H EC     306
       08.00                   F     WHAM     105
11     09.00                T TH     LAWSCN   171
       03.00                T       H EC     306
       08.00                   F     WHAM     105
12     09.00                T TH     LAWSON   171
       04.00                T       H EC     306
       08.00                   F     WHAM     105
13     01.00              M W  F    H EC     122A BELMONT
   HONORS SECT ENROLLMENTBY PERM ONLY
14     02.00                T TH     LAWSCN   151   RACKERBY FRANK
       02.00                   F     LAWSCN   141
       04.00                 W       H EC     306
15     02.00                T TH     LAWSON   151     RACKERBY FRANK
       08.00                T       H EC     306
       02.00                   F     LAWSCN   141
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16	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	09.00	T	H EC	306		
	02.00	F	LAWSON	141		
17	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	10.00	T	H EC	306		
	02.00	F	LAWSON	141		
18	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	11.00	T	H EC	306		
	02.00	F	LAWSON	141		
19	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	12.00	T	H EC	306		
	02.00	F	LAWSON	141		
20	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	01.00	T	H EC	306		
	02.00	F	LAWSON	141		
21	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	08.00	F	H EC	306		
	02.00	F	LAWSON	141		
22	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	08.00	M	H EC	306		
	02.00	F	LAWSON	141		
23	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	09.00	M	H EC	306		
	02.00	F	LAWSON	141		
24	02.00	T TH	LAWSON	151	RACKERBY F	
	10.00	M	H EC	306		
	02.00	F	LAWSON	141		
25	02.00	T TH	LAWSON	151	RACKERBY FRAN	
	02.00	W	H EC	206		
	02.00	F	LAWSON	141		
26	02.00	M W F	H EC	122A	HANDLER	
HONORS SECT ENRCLLMENTBY FERM ONLY						
27	03.00	T TH	LAWSON	141	MARING E	
	03.00	W	H EC	122		
	03.00	F	LAWSON	151		
28	03.00	T TH	LAWSON	141	MARING E	
	04.00	W	H EC	118		
	03.00	F	LAWSON	151		
29	03.00	T TH	LAWSON	141	MARING E	
	08.00	W	H EC	306		
	03.00	F	LAWSON	151		
30	03.00	T TH	LAWSON	141		
	09.00	W	H EC	306		
	03.00	F	LAWSON	151		
31	03.00	T TH	LAWSON	141		
	10.00	W	H EC	306		
	03.00	F	LAWSON	151		
32	03.00	T TH	LAWSON	141		
	11.00	W	H EC	306		
	03.00	F	LAWSON	151		
33	03.00	T TH	LAWSON	141		
	12.00	W	H EC	306		
	03.00	F	LAWSON	151		
34	03.00	T TH	LAWSON	141		
	01.00	W	H EC	306		
	03.00	F	LAWSON	151		
35	03.00	T TH	LAWSON	141		
	02.00	W	H EC	306		
	03.00	F	LAWSON	151		
36	03.00	T TH	LAWSON	141		
	03.00	W	H EC	306		
	03.00	F	LAWSON	151		
37	03.00	T TH	LAWSON	141		
	09.00	F	H EC	306		
	03.00	F	LAWSON	151		
38	03.00	T TH	LAWSON	141		
	10.00	F	H EC	306		
	03.00	F	LAWSON	151		
39	04.00	M W F	LAWSON	171	WALKER	
	11.00	F	H EC	306		

40	04.00	M	W F	LAWSCN	171
	12.00		F	H EC	306
41	04.00	M	W F	LAWSCN	171
	01.00		F	H EC	306
42	04.00	M	W F	LAWSCN	171
	08.00		TH	H EC	306
43	04.00	M	W F	LAWSCN	171
	09.00		TH	H EC	306
44	04.00	M	W F	LAWSCN	171
	10.00		TH	H EC	306
45	04.00	M	W F	LAWSCN	171
	11.00		TH	H EC	306
46	04.00	M	W F	LAWSCN	171
	12.00		TH	H EC	306
47	04.00	M	W F	LAWSCN	171
	01.00		TH	H EC	306
48	04.00	M	W F	LAWSCN	171
	02.00		TH	H EC	306
49	04.00	M	W F	LAWSON	171
	03.00		TH	H EC	306
50	04.00	M	W F	LAWSCN	171
	04.00		TH	H EC	306
51	05.45-07.25		T TH	H EC	106
	08.00		F	H EC	306

1028 MAN AND HIS WORLD 04.0 CR

1	08.00-09.50	M	W	COMM	1018
2	08.00-09.50	M	W	COMM	1021
3	08.00-09.50	M	W	COMM	1022
4	08.00-09.50	M	W	TECH A	308
5	08.00-09.50	M	W	TECH A	310
6	08.00-09.50		T TH	COMM	1018
7	08.00-09.50		T TH	COMM	1021
8	08.00-09.50		T TH	COMM	1022
9	08.00-09.50		T TH	TECH A	308
10	08.00-09.50		T TH	TECH A	310
11	10.00-11.50	M	W	COMM	1018
12	10.00-11.50	M	W	COMM	1022
13	10.00-11.50	M	W	TECH A	308
14	10.00-11.50	M	W	TECH A	310
15	10.00-11.50		T TH	COMM	1018
16	10.00-11.50		T TH	COMM	1021
17	10.00-11.50		T TH	COMM	1022
18	10.00-11.50		T TH	TECH A	308
19	10.00-11.50		T TH	TECH A	310
20	10.00	M	WTH	LAWSCN	151
	08.00		T	AG	220
21	10.00	M	WTH	LAWSON	151
	08.00		W	AG	220
22	10.00	M	WTH	LAWSCN	151
	09.00		F	TECH A	308
23	10.00	M	WTH	LAWSON	151
	09.00		F	TECH A	222
24	10.00	M	WTH	LAWSCN	151
	08.00		T	AG	148
25	10.00	M	WTH	LAWSON	151
	10.00		T	AG	116
26	10.00	M	WTH	LAWSCN	151
	10.00		T	AG	168
27	10.00	M	WTH	LAWSON	151
	08.00		W	AG	116
28	12.00-01.50		T TH	COMM	1018
29	12.00-01.50		T TH	COMM	1021
30	12.00	M	WTH	LAWSON	151
	11.00		F	TECH A	122
31	12.00	M	WTH	LAWSCN	151
	11.00		F	AG	144
32	12.00	M	WTH	LAWSON	151
	12.00		T	AG	222
33	12.00	M	WTH	LAWSCN	151
	12.00		T	AG	148

34	12.00	M	WTH	LAWSON	151	
	12.00		F	AG	144	
35	12.00	M	WTH	LAWSON	151	
	12.00		F	AG	148	
36	12.00	M	WTH	LAWSON	151	
	11.00		W	PHY SC	218	
37	12.00	M	WTH	LAWSON	151	
	11.00		W	0720	108	
2018	SOCIETY + BEHAVIOR			04.0	CR	
1	08.00	M	TH	PHY SC	218	
	08.00		F	LS I	16	
	08.00		W	WHAM	302	
2	09.00		T TH	WHAM	105	PATTERSON EDGAI
	08.00	M		WHAM	302	
	08.00		TH	WHAM	202	
3	09.00		T TH	WHAM	105	PATTERSON EDGAI
	09.00	M		0862	101	
	09.00		W	0871	102	
4	09.00		T TH	WHAM	105	PATTERSON EDGA I
	09.00	M		AG	148	
	09.00		W	0875	101	
5	09.00		T TH	WHAM	105	PATTERSON EDGA I
	10.00	M	TH	0875	102	
6	09.00		T TH	WHAM	105	PATTERSON EDGA I
	11.00	M		0862	101	
	11.00		TH	AG	116	
7	09.00		T TH	WHAM	105	PATTERSON EDGA I
	12.00	M	TH	AG	116	
8	09.00		T TH	WHAM	105	PATTERSON EDGA I
	01.00	M	TH	WHAM	208	
9	09.00		T TH	WHAM	105	PATTERSON EDGA I
	02.00	M	TH	BAILEY	130	
10	11.00		T TH	WHAM	105	GASTON JERRY C
	09.00		W F	0862	101	
11	11.00		T TH	WHAM	105	GASTON JERRY C
	10.00		W F	H EC	202	
12	11.00		T TH	WHAM	105	GASTON JERRY C
	11.00		W F	H EC	202	
13	11.00		T TH	WHAM	105	GASTON JERRY C
	12.00		W F	H EC	118	
14	11.00		T TH	WHAM	105	GASTON JERRY C
	01.00		W F	AG	214	
15	11.00		T TH	WHAM	105	GASTON JERRY C
	02.00		W F	AG	224	
16	11.00		T TH	WHAM	105	GASTON JERRY C
	03.00	M	W	BAILEY	130	
17	11.00		T TH	WHAM	105	GASTON JERRY C
	04.00	M	W	BAILEY	130	
18	12.00	M	WTH	AG	168	
	12.00		F	AG	166	
19	02.00	M	W	AG	168	
	02.00		T	AG	216	
	02.00		TH	H EC	106	
20	03.00		T THF	AG	216	
	03.00		W	AG	168	
21	04.00	M	W	WHAM	105	HALL ELIZABETH
	08.00		T F	H EC	104	
22	04.00	M	W	WHAM	105	HALL ELIZABETH
	09.00		T F	WHAM	301A	
	RESERVED FOR PRESIDENTS SCHOLARS-SECT 22					
23	04.00	M	W	WHAM	105	HALL ELIZABETH
	10.00		T F	WHAM	321	
24	04.00	M	W	WHAM	105	HALL ELIZABETH
	11.00		T	0862	102	
	11.00		F	WHAM	302	
25	04.00	M	W	WHAM	105	HALL ELIZABETH
	12.00		T F	AG	188	
26	04.00	M	W	WHAM	105	HALL ELIZABETH
	01.00		T F	H EC	102	
27	04.00	M	W	WHAM	105	HALL ELIZABETH
	02.00		T F	H EC	201	

28	04.00		M	W	WHAM	105	NALL ELIZABETH W
	02.00			T	AG	224	
	02.00			F	AG	150	
29	07.35-09.15	PM	M	W	WHAM	112	
30	07.35-09.15	PM	M	W	LAWSON	101	
201C	SOCIETY + BEHAVICR				04.0	CR	
1	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50			W	PULL	39	
2	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	06.00-07.50	PM		W	PULL	39	
3	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50			TH	PULL	39	
4	11.00		M	W	LAWSON	141	
	10.00-11.50			TH	PULL	39	
5	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50			TH	PULL	39	
6	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	03.00-04.50			TH	PULL	39	
7	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50			F	PULL	39	
8	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	12.00-01.50			F	PULL	39	
9	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50			S	PULL	39	
10	11.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50			S	PULL	39	
11	03.00		M	W	AG	166	SCHNECK RONALD R
	02.00-03.50			TH	AG	170	
12	03.00		M	W	AG	166	
	02.00-03.50			F	AG	170	
13	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50			W	AG	148	
14	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	06.00-07.50	PM		TH	AG	148	
15	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50			TH	AG	148	
16	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50			TH	AG	148	
17	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	01.00-02.50			TH	AG	154	
18	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	03.00-04.50			TH	AG	154	
19	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50			F	AG	154	
20	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	12.00-01.50			F	AG	222	
21	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	08.00-09.50			S	AG	116	
22	04.00		M	W	LAWSON	141	CARRIER NEIL ALAN
	10.00-11.50			S	AG	116	
23	06.00-07.40	PM	M		LAWSON	141	
	04.00-05.50			W	PULL	39	
24	06.00-07.40	PM	M		LAWSON	141	
	03.00-04.50			W	AG	220	
25	06.00-07.40	PM	M		LAWSON	141	
	06.00-07.50	PM		TH	PULL	39	
26	06.00-07.40	PM	M		LAWSON	141	
	06.00-07.50	PM		W	AG	148	
27	06.00-07.40	PM	M		LAWSON	141	
	10.00-11.50			F	PULL	39	
28	06.00-07.40	PM	M		LAWSON	141	
	10.00-11.50			F	AG	148	
29	06.00-07.40	PM	M		LAWSON	141	
	02.00-03.50			F	PULL	39	
30	06.00-07.40	PM	M		LAWSON	141	
	02.00-03.50			F	AG	222	
31	06.00-07.40	PM	M		LAWSON	141	
	12.00-01.50			F	AG	168	
32	06.00-07.40	PM	M		LAWSON	141	
	02.00-03.50			F	AG	168	

211A	POLITICAL ECONOMY		04.0 CR			
1	02.00	M TWTH	WHAM	105		
211B	POLITICAL ECONOMY		04.0 CR			
1	10.00	M W F	PHY SB	240		WASBY
	08.00	T	WHAM	206		
2	10.00	M W F	PHY SB	240		WASBY
	08.00	TH	PULL	43A		
3	10.00	M W F	PHY SB	240		WASBY
	09.00	T	PULL	43A		
4	10.00	M W F	PHY SB	240		WASBY
	09.00	TH	PULL	43A		
5	10.00	M W F	PHY SB	240		WASBY
	10.00	T	WHAM	317		
6	10.00	M W F	PHY SB	240		
	10.00	TH	WHAM	317		
7	10.00	M W F	PHY SB	240		WASBY
	11.00	T	WHAM	312		
8	10.00	M W F	PHY SB	240		WASBY
	11.00	TH	WHAM	319		
9	12.00	M T THF	WHAM	228		
10	03.00	M W F	LS I	133	GOODSELL CHARL	T
	01.00	T	WHAM	228		
11	03.00	M W F	LS I	133	GOODSELL CHARL	T
	01.00	TH	PULL	43		
12	03.00	M W F	LS I	133	GOODSELL CHARL	T
	02.00	T	COMM	1017		
13	03.00	M W F	LS I	133	GOODSELL CH	LE
	02.00	TH	H EC	118		
14	03.00	M W F	LS I	133	GOODSELL CHARL	T
	03.00	T	PULL	43A		
15	03.00	M W F	LS I	133	GOODSELL	
	03.00	TH	PULL	43A		
16	03.00	M W F	LS I	133	GOODSELL CHARL	T
	04.00	T	WHAM	303		
17	03.00	M W F	LS I	133	GOODSELL CHARL	T
	04.00	TH	WHAM	303		
18	05.45-07.25	M W	WHAM	319		
19	05.45-07.25	T TH	WHAM	201		
20	07.35-09.15 PM	M W	WHAM	328		
21	07.35-09.15 PM	T TH	WHAM	205		
300A	UNITED STATES HIST		03.0 CR			
1	10.00	M W F	LAWSON	141	MURPHY	
2	03.00	M WTH	WHAM	308	AMMON	
3	06.00-07.25 PM	T TH	LAWSON	161	BATINSKI	
300B	UNITED STATES HIST		03.0 CR			
1	08.00	M W F	LAWSON	171	WERLICH DAVID	
2	01.00	T TH	LAWSON	151	TRANI	
	01.00	W	WHAM	105		
300C	UNITED STATES HIST		03.0 CR			
1	03.00	TWTH	WHAM	105	TRANI	
302	LAW CIVIL RIGHTS		03.0 CR			
1	08.00	M W F	WHAM	202	GREGORY DONAL	
303	INTERNATIONAL REL		04.0 CR			
1	08.00	M WTHF	WHAM	206	KLINGBERG	
2	11.00	MT TH	WHAM	228	CHOU IKUA	
	11.00	F	WHAM	210		
3	02.00-03.50	T TH	H EC	206	LEVINE MARK S	WAR
4	07.35-09.15 PM	T TH	WHAM	201	STAFF	
306	CHILD DEVELOPMENT		03.0 CR			
1	11.00	M W F	H EC	208		
309	INTRO TO BLACK AMER		04.0 CR			
	PREREQ G.S. 2ND LEVEL					
1	06.00-07.50 PM	M W	LAWSON	171		
	03.00-04.50	T	0720	117		
2	06.00-07.50 PM	M W	LAWSON	171		
	03.00-04.50	T	WHAM	312		
3	06.00-07.50 PM	M W	LAWSON	171		
	03.00-04.50	T	WHAM	321		
4	06.00-07.50 PM	M W	LAWSON	171		
	03.00-04.50	T	COMM	1021		

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  5     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        ABBOTT  129
  6     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        PARK    111
  7     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        PULL     41
  8     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50          TH     PHY SC  410
  9     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        0721    102
 10     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        AG      222
 11     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        AG      224
 12     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        0861    101
 13     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        0871    101
 14     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        LSII    350
 15     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        PHY SA  160
 16     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        PHY SA  258
 17     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        PHY SA  458
 18     06.00-07.50 PM   M W        LAWSGN  171
        03.00-04.50        T        AG      150
 19     06.00-07.50 PM   M W        LAWSCN  171
        03.00-04.50        T        AG      154
 20     06.00-07.50 PM   M W        LAWSON  171
        03.00-04.50        T        ARENA   123
310   CURRENT EVENTS            01.0 TO 03.0 CR
  1     10.00                    F   LAWSCN  151
        08.00                T        AG      116
  2     10.00                    F   LAWSCN  151
        09.00                M        AG      170
  3     10.00                    F   LAWSCN  151
        09.00                T        AG      220
  4     10.00                    F   LAWSCN  151
        10.00                  W      AG      170
  5     10.00                    F   LAWSON  151
        10.00                 TH      AG      116
  6     10.00                    F   LAWSCN  151
        11.00                T        AG      116
  7     10.00                    F   LAWSON  151
        12.00                    F   AG      154
  8     10.00                    F   LAWSCN  151
        01.00                M        AG      152
  9     10.00                    F   LAWSON  151
        01.00                 TH      AG      150
 10     10.00                    F   LAWSCN  151
        02.00                T        AG      152
 11     10.00                    F   LAWSON  151
        02.00                  W      AG      154
 12     10.00                    F   LAWSCN  151
        03.00                    F   COMM   1021
311   ECON DEVELOP OF L S               03.0 CR
       PREREQ   GSB 101B CR 211A,B OR 215
  1     02.00              M W        LAWSCN  221
        02.00                    F   LAWSCN  201
312   COMPAR ECON SYSTEMS               03.0 CR
       PREREQ   GSB 211A CR 215
  1     01.00              M W  F     0871    101
314   ECON ANAL AG PCL US               03.0 CR
       PREREQ   GSB 211
  1     02.00              MT         AG      225  HAAG HERMAN M
        12.00                 TH      AG      225
  2     02.00              MT         AG      225  HAAG HERMAN M
        02.00                 TH      AG      155
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321   SOCIALIZAT OF INDIV                    03.0 CR
    1    08.00            M W  F   0875     101  MALL ELIZABETH
    2    10.00            M W  F   WHAM     329  MALL ELIZABETH
    3    01.00            M WTH    BAILEY   130  DUNCAN HUGH CAL
    4    01.00            M W      AG       154  RCSSEL ROBERT C
         01.00               TH    AG       166
325   RACE + MIN RELATION                    03.0 CR
    1    10.00             T TH    WHAM     202
         10.00                 F   0871     101
    2    04.00             T TH    H EC     118  DENISE PAUL S
         04.00               W     H EC     106
331   AMER ED SYSTEM                         03.0 CR
    1    08.00            M W  F   WHAM     328
    2    08.00            MT TH    WHAM     329
    3    09.00            M W  F   WHAM     328
    4    10.00            M W  F   WHAM     205
    5    11.00            M W  F   WHAM     205
    6    01.00            M W  F   WHAM     205
    7    02.00            M W  F   WHAM     205
    8    03.00            M W  F   WHAM     205
    9    06.00-07.25 PM    T TH    WHAM     205
   10    06.00-07.25 PM   M W      WHAM     328
341   MARRIAGE                               03.0 CR
    1    11.00            M        0871     102  PATTERSCN EDGA
         11.00             T TH    0875     102
    2    02.00            M W  F   LAWSCN    101  SMITH MARGARET
345   INTR TO AM FGN POL                     03.0 CR
    1    09.00            M W  F   WHAM     308  LANDECKER MANF D
    2    04.00            MT TH    WHAM     302  TRIVERS HOWARD
346   CONSUM CHOICE-BEHAV                    03.0 CR
      PREREQ   GSB 211A, 211B
    1    01.00            M W  F   H EC     203
353   ECON GEOG-RES MGT                      03.0 CR
      PREREQ   NONE
    1    08.00             T TH    AG       144
355   GEOG OF U S                            03.0 CR
    1    11.00             T TH    WHAM     302
         11.00            M        LAWSCN   201
361   FUND OF DECIS MAKE                     03.0 CR
      PREREQ   MATH 111-1C A+B OR GSD 108A +B
    1    02.00            M W  F   TECH A   111
385   CONTEMP POL ISMS                       03.0 CR
    1    09.00            M W  F   WHAM     228  KAMARASY EGON
    2    02.00             T TH    H EC     102  TRIVERS
         02.00            M        WHAM     307
390   INTR TO COMP GOVT                      04.0 CR
    1    10.00            MT THF   COMM   1006      STAUBER
    2    11.00            MT THF   TECH A  420A        DALE
    3    03.00            MT THF   WHAM     112  BHATTACHARYYA
391   SUB-SAHARAN GOVT                       03.0 CR
    1    01.00            M W      COMM   1017  DALE RICHARD
         01.00                F    PARK     111
392   INTRC L A GOVT POL                     03.0 CR
    1    03.00            M W  F   H EC     120  GARNER WILLIA R
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General Studies Area C—Man's Insights and Appreciations (GSC)

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100   MUSIC UNDERSTANDING                    03.0 CR
    1    08.00            M W  F   LAWSCN   161      FLOYD SAMU
    2    10.00            M W  F   LAWSCN   161      FLOYD SAMU
    3    12.00            M W  F   LAWSCN   141
    4    02.00            M W  F   LAWSCN   151  NADAF
    5    03.00            M W  F   LAWSCN   161      EDDINS JOH M
101   ART APPRECIATION                       03.0 CR
    1    08.00-09.50      M        ALLYN    102
         09.00               TH    0875     101
    2    08.00-09.50         TH    ALLYN    106
         07.35-08.25 PM   M        0861     102
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3	10.00		T	TH	LAWSCN	141	
	08.00-09.50		M		ALLYN	102	
4	10.00		T	TH	LAWSCN	141	FOLKMAN DAVID E
	08.00-09.50			S	ALLYN	106	
5	10.00		T	TH	LAWSCN	141	
	03.00-04.50		M		ALLYN	102	
6	10.00		T	TH	LAWSCN	141	
	01.00-02.50		M		ALLYN	102	
7	10.00		T	TH	LAWSCN	141	
	01.00-02.50			F	ALLYN	102	
8	10.00		T	TH	LAWSCN	141	
	03.00-04.50		W		ALLYN	102	
9	10.00		T	TH	LAWSCN	141	
	11.00-12.50			F	ALLYN	102	
10	10.00		T	TH	LAWSCN	141	
	08.00-09.50		W		ALLYN	102	
11	10.00		T	TH	LAWSCN	141	
	10.00-11.50			S	ALLYN	102	
12	10.00		T	TH	LAWSCN	141	
	11.00-12.50		M		ALLYN	102	
13	10.00-11.50		T		ALLYN	102	
	11.00			TH	0862	102	
14	11.00-12.50			TH	ALLYN	106	
	02.00		T		0871	101	
15	11.00-12.50			TH	ALLYN	102	
	12.00		T		0875	102	
16	01.00-02.50		T		ALLYN	102	
	11.00			TH	0720	101	
17	01.00-02.50			TH	ALLYN	102	
	01.00		W		0875	101	
18	02.00		T	TH	LAWSCN	141	
	08.00-09.50			TH	ALLYN	102	
19	02.00		T	TH	LAWSCN	141	
	01.00-02.50		W		ALLYN	102	
20	02.00		T	TH	LAWSCN	141	
	08.00-09.50		T		ALLYN	102	
21	02.00		T	TH	LAWSCN	141	
	11.00-12.50		M		0720	117	
22	02.00		T	TH	LAWSCN	141	
	08.00-09.50			F	ALLYN	102	
23	02.00		T	TH	LAWSCN	141	
	08.00-09.50			S	ALLYN	112	
24	02.00		T	TH	LAWSCN	141	
	11.00-12.50		W		ALLYN	102	
25	02.00		T	TH	LAWSCN	141	
	10.00-11.50			S	ALLYN	112	
26	02.00		T	TH	LAWSCN	141	
	10.00-11.50			S	ALLYN	106	
27	02.00		T	TH	LAWSCN	141	
	08.00-09.50			S	ALLYN	102	
28	03.00-04.50		T		ALLYN	102	
	07.35-08.25	PM		TH	0861	102	
29	03.00-04.50			TH	ALLYN	102	
	11.00			S	0861	102	
30	03.00-04.50			F	ALLYN	102	
	09.00		T		0720	101	
31	05.00-06.50		W		ALLYN	102	
	02.00			F	0720	101	
32	05.00-06.50		T		ALLYN	102	
	06.00	PM		TH	AG	152	
33	05.00-06.50		M		ALLYN	102	
	12.00		W		0861	102	
34	05.00-06.50			TH	ALLYN	102	
	09.00		T		0862	101	
35	05.00-06.50			TH	ALLYN	106	
	04.00		M		0871	101	
36	05.00-06.50		T		ALLYN	106	
	09.00			TH	0862	101	
37	05.00-06.50		W		ALLYN	106	
	07.35-08.25	PM	T		0861	102	

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    38    05.00-06.50      M          ALLYN    106
          02.00              TH       0720     101
    39    07.35-09.15 PM    T         ALLYN    106
          07.35-08.25 PM      TH      0862     102
    40    07.35-09.15 PM    M         ALLYN    106
          08.00              TH       0862     101
102   PROB-MORAL DEC-PHIL                 03.0 CR
     1    10.00             T TH      LAWSON   171  MCORE WILLIS
          11.00               TH      H EC     202
     2    10.00             T TH      LAWSON   171  MCORE WILLIS
          12.00               TH      H EC     202
     3    10.00             T TH      LAWSON   171  MCORE WILLIS
          01.00               TH      H EC     202
     4    10.00             T TH      LAWSON   171     MCORE WILLI
          02.00               TH      H EC     120
     5    10.00             T TH      LAWSON   171  MCORE WILLIS
          03.00               TH      H EC     202
     6    10.00             T TH      LAWSON   171  MCORE WILLIS
          08.00                 F     H EC     122
     7    10.00             T TH      LAWSON   171  MCORE WILLIS
          09.00                 F     0871     102
     8    10.00             T TH      LAWSON   171  MCORE WILLIS
          10.00                 F     H EC     208
     9    10.00             T TH      LAWSON   171  MCORE WILLIS
          11.00                 F     COMM    1017
    10    10.00             T TH      LAWSON   171  MCORE WILLIS
          01.00                 F     H EC     202
    11    10.00             T TH      LAWSON   171  MCORE WILLIS
          09.00             T         TECH A   320
    12    10.00             T TH      LAWSON   171  MCORE WILLIS
          01.00           M           LS II    430
    13    11.00           M W         WHAM     105  SCHILPP PAUL A
          01.00             W         H EC     202
    14    11.00           M W         WHAM     105  SCHILPP PAUL A
          02.00             W         H EC     118
    15    11.00           M W         WHAM     105  SCHILPP PAUL A
          03.00             W         WHAM     317
    16    11.00           M W         WHAM     105  SCHILPP PAUL A
          08.00               TH      H EC     208
    17    11.00           M W         WHAM     105  SCHILPP PAUL A
          09.00               TH      H EC     208
    18    11.00           M W         WHAM     105  SCHILPP PAUL A
          10.00               TH      H EC     202
    19    11.00           M W         WHAM     105  SCHILPP PAUL A
          11.00                 F     H EC     120
    20    11.00           M W         WHAM     105  SCHILPP PAUL A
          12.00               TH      H EC     208
    21    11.00           M W         WHAM     105  SCHILPP PAUL A
          01.00               TH      H EC     208
    22    11.00           M W         WHAM     105  SCHILPP PAUL A
          02.00               TH      H EC     208
    23    11.00           M W         WHAM     105  SCHILPP PAUL A
          03.00               TH      PHY SC   160
    24    11.00           M W         WHAM     105  SCHILPP PAUL A
          08.00                 F     H EC     202
    25    11.00           M           LAWSON   151  LIU SHU-HSIEN
          11.00                 F     WHAM     105
          08.00             W         TECH A   410
    26    11.00           M           LAWSON   151  LIU SHU-HSIEN
          11.00                 F     WHAM     105
          09.00             W         0720     102
    27    11.00           M           LAWSON   151  LIU SHU-HSIEN
          11.00                 F     WHAM     105
          12.00             W         0721     101
    28    11.00           M           LAWSON   151  LIU SHU-HSIEN
          11.00                 F     WHAM     105
          02.00           M           WHAM     112
    29    11.00           M           LAWSON   151  LIU SHU-HSIEN
          11.00                 F     WHAM     105
          08.00            T          H EC     202
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30	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	12.00	T		H EC	208	
31	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	01.00	T		H EC	208	
32	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	02.00	T		H EC	208	
33	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	09.00	T		0720	118	
34	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	10.00		F	H EC	120	
35	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	08.00		F	PHY SC	258	
36	11.00	M		LAWSCN	151	LIU SHU-HSIEN
	11.00		F	WHAM	105	
	11.00	W		0720	109	
37	01.00	T	TH	WHAM	105	MCWIE JOHN
	08.00	M		H EC	122	
38	01.00	T	TH	WHAM	105	MCWIE JOHN
	09.00	M		WHLR	113	
39	01.00	T	TH	WHAM	105	MCWIE JOHN
	10.00	M		H EC	202	
40	01.00	T	TH	WHAM	105	MCWIE JOHN
	11.00	M		H EC	202	
41	01.00	T	TH	WHAM	105	MCWIE JOHN
	12.00	M		H EC	202	
42	01.00	T	TH	WHAM	105	MCWIE JOHN
	01.00	M		H EC	202	
43	01.00	T	TH	WHAM	105	MCWIE JOHN
	08.00	T		H EC	208	
44	01.00	T	TH	WHAM	105	MCWIE JOHN
	09.00	T		H EC	208	
45	01.00	T	TH	WHAM	105	MCWIE JOHN
	10.00	T		H EC	202	
46	01.00	T	TH	WHAM	105	MCWIE JOHN
	11.00	T		H EC	202	
47	01.00	T	TH	WHAM	105	MCWIE JOHN
	10.00	T		H EC	120	
48	01.00	T	TH	WHAM	105	MCWIE JOHN
	11.00	T		H EC	203	
49	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	10.00	T		0720	107	
50	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	11.00	T		H EC	206	
51	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	03.00		TH	0720	104	
52	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	08.00		F	PHY SC	458	
53	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	09.00		F	H EC	202	
54	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	12.00	T		H EC	120	
55	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	11.00		F	COMM	1022	
56	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	12.00		F	H EC	202	
57	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	01.00		F	H EC	206	
58	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	09.00	T		LS II	350	
59	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	03.00		F	0720	114	
60	02.00	T	TH	LAWSON	171	HAYWARD JOHN F
	02.00		F	H EC	206	
61	07.35-08.25 PM	T	TH	LAWSON	171	ALLEN DOUGLAS M
	08.00		F	GYM	203	

62	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	03.00	F	WHLR	207		
63	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	01.00	F	CL	24		
64	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	02.00	F	0871	101		
65	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	08.00	M	0871	101		
66	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	10.00	M	WHAM	302		
67	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	12.00	M	H EC	118		
68	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	03.00	M	H EC	122		
69	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	09.00	T	CL	326		
70	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	11.00	T	AG	188	ALLEN DOUGLAS	
71	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	01.00	T	0861	102		
72	07.35-08.25 PM	T TH	LAWSON	171	ALLEN DOUGLAS	
	03.00	T	AG	152		

103 WORLD LIT FOR COMP 03.0 CR
PREREQ GSD 102 OR THE APPROPRIATE ACT SCORE

1	08.00	M W F	0720	101	
2	08.00	M TH	0720	102	
	08.00	T	0720	105	
3	08.00	M W F	WHLR	203	
4	08.00	T THF	0720	103	
5	08.00	M W F	PARK	301	
6	08.00	T THF	0720	104	
7	09.00	M W F	0720	101	
8	09.00	T THF	0720	103	
9	09.00	W S	0720	104	
	09.00	F	H EC	118	
10	09.00	TW F	0720	105	
11	09.00	M W F	WARREN	129	
12	09.00	TW F	0720	106	
13	10.00	M W F	0720	106	
14	10.00	MT TH	0720	105	
15	10.00	M W F	0720	103	
16	10.00	T THF	0720	101	
17	10.00	M W F	AG	150	
18	10.00	T THF	0720	104	
19	11.00	M W F	ARENA	125	
20	11.00	T THF	0720	102	
21	11.00	M W F	0720	103	
22	11.00	M W F	0720	101	
23	11.00	M W F	0720	105	
24	11.00	MT	PULL	39	
	11.00	TH	PULL	43	
25	12.00	TW F	0720	101	
26	12.00	M W F	0862	101	
27	12.00	T THF	0720	103	
28	12.00	M W F	FELTS	130	
29	12.00	M W F	AG	152	
30	01.00	M WTH	0720	104	
31	01.00	TW F	0720	103	
32	01.00	MT TH	0720	101	
33	01.00	M W F	TECH A	122	
34	01.00	T F	0720	104	
	01.00	TH	WHLR	203	
35	01.00	TW F	0720	105	
36	02.00	M WTH	WHAM	312	
37	02.00	TW F	0720	105	
38	02.00	T THF	0720	104	
39	02.00	M W F	PIERCE	130	
40	02.00	M W F	0720	102	
41	03.00	M WTH	WHAM	312	
42	03.00	M W F	0720	103	

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  43     03.00              TW  F    0720     101
  44     03.00             M W  F    0720     104
  45     04.00             M WTH     WHAM     312  REUTER FRANK M
  46     04.00              TW  F    0720     104
  47     04.00             M WTH     0720     101
  48     04.00             M W  F    AG       152
  49     06.00-07.15 PM     T TH     0720     105
  50     06.00-07.15 PM     T TH     0720     104
  51     06.00-07.15 PM    M W       0720     104
  52     06.00-07.15 PM    M W       H EC     122
  53     06.00-07.15 PM    M W       0720     105
  54     07.35-08.50 PM    M W       0720     104
  55     07.35-08.50 PM     T TH     0720     104
  56     07.35-08.50 PM     T TH     0720     105
  57     07.35-08.50 PM    M W       WHAM     319
  58     07.35-08.50 PM    M W       0720     105
  59     07.35-08.50 PM    M W       0720     103
  60     07.35-08.50 PM     T TH     0720     103
110A  WESTERN HUMANITIES                 03.0 CR
   1     10.00             M W  F    WHAM     105  FLOCHMANN G K
200   ORAL INTERP OF LIT                 04.0 CR
   1     08.00             M WTH     COMM    1020  ISBELL THOMAS L
         08.00-09.50        T TH     WHAM     317
         ADDITIONAL MEETING 2.00 FRI.TBA
   2     09.00             MTW  F    PHY SC   278  ISBELL THOMAS L
         09.00              T        PULL      39  ISBELL THOMAS L
         ADDITIONAL MEETING 2.00 FRI.TBA
   3     10.00              TWTH     COMM    1017
         10.00                   F   COMM    1018
         ADDITIONAL MEETING 2.00 FRI.TBA-SECT.3
         FOR ELED MAJ.
   4     12.00             M W  F    COMM    1018
         12.00              T        WHAM     312
         ADDITIONAL MEETING 2.00 FRI.TBA
   5     12.00             MTW  F    COMM    2012
         ADDITIONAL MEETING 2.00 FRI.TBA
   6     01.00             MTWTH     PHY SC   458
         ADDITIONAL MEETING 2.00 FRI.TBA
   7     01.00-02.50        T TH     WHAM     205
         ADDITIONAL MEETING 2.00 FRI.TBA-SECT.7
         FOR ELED MAJ.
   8     02.00              T TH     COMM    1018
         02.00             M W       0862     101
         ADDITIONAL MEETING 3.00 FRI.TBA-SECT.8
         FOR SPCH MAJ.
   9     04.00             MT THF    COMM    1006
         ADDITIONAL MEETING 3.00 FRI.TBA
  10     04.00             MTWTH     COMM    1018
         (ADDITIONAL MEETING 3:00 FRI. TBA)
  11     07.35-09.00 PM    M W       COMM    2012
         (ADDITIONAL MEETING 3:00 FRI. TBA)
  12     07.35-09.00 PM    M W       COMM    1018
         3 00 F TBA FOR SECTS 8-12
201   INTRO TO DRAMA                     03.0 CR
   1     08.00             M W  F    AG       152
   2     08.00             M W  F    0720     105
   3     09.00              T THF    0720     107
   4     10.00             M W  F    0720     107
   5     11.00              T TH     AG       150
         11.00                   F   PARK     301
   6     12.00             M W  F    WHAM     303
   7     01.00             M W       TECH A   220
         01.00                   F   TECH A   320
   8     01.00             MT TH     0720     106
   9     02.00             M W  F    0720     106
  10     03.00             M W  F    0720     106
  11     04.00             M W  F    WHAM     303
  12     06.00-07.15 PM    M W       WHAM     303
  13     07.35-08.50 PM     T TH     0875     102
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202	INTRO TO POETRY			03.0 CR		
1	08.00	T	THF	0720	106	
2	08.00	T	TH	WHLR	113	
	08.00		F	WHLR	107	
3	10.00	T	TH	WHAM	303	
	10.00		F	WHAM	206	
4	11.00	M	W F	0720	106	
5	12.00	M		WHAM	307	
	12.00	T	TH	WHAM	303	
6	12.00	M	W F	0720	106	
7	01.00	M	TH	0720	107	
8	02.00	M	TH	0720	107	
	RESTRICTED FOR PR S ONLY					
9	03.00	M	TH	0720	107	
10	03.00	M	W F	AG	154	
11	04.00	M	TH	0720	107	
12	06.00-07.15 PM	T	TH	0720	107	
203	DRAMA-ARTS OF THEA			03.0 CR		
1	09.00	T	TH	COMM	1037	
	03.00		TH	COMM	1021	
2	09.00	T	TH	COMM	1037	
	04.00		TH	COMM	1017	
3	09.00	T	TH	COMM	1037	
	04.00		F	COMM	1017	
4	09.00	T	TH	COMM	1037	
	01.00		TH	COMM	1017	
5	09.00	T	TH	COMM	1037	
	01.00		F	COMM	1017	
6	09.00	T	TH	COMM	1037	
	12.00		F	COMM	1017	
7	09.00	T	TH	COMM	1037	
	02.00		TH	COMM	1021	
8	09.00	T	TH	COMM	1037	
	02.00		F	COMM	1020	
9	09.00	T	TH	COMM	1037	
	12.00		TH	AG	222	
10	09.00	T	TH	COMM	1037	
	02.00		F	COMM	1006	
11	09.00	T	TH	COMM	1037	
	03.00		W	COMM	1006	
12	09.00	T	TH	COMM	1037	
	03.00		W	COMM	1017	
13	09.00	T	TH	COMM	1037	
	09.00		F	COMM	1018	
14	09.00	T	TH	COMM	1037	
	10.00		F	COMM	1017	
15	09.00	T	TH	COMM	1037	
	11.00		F	COMM	1018	
204	MEANING IN VIS ARTS			04.0 CR		
	PREREQ GSC 101 OR CONSENT					
1	04.00	M	THF	LAWSON	161	SULLIVAN JAMES
205	MANS CONTEMP ENVIR			04.0 CR		
1	08.00-09.50	T		LAWSON	141	GROSCWSKY
	08.00		THF	LAWSON	141	
2	12.00-01.50		W	LAWSON	131	GROSCWSKY
	01.00		THF	LAWSON	131	
3	04.00-05.50	T		LAWSON	141	
	04.00	T	F	LAWSON	141	
206	FOUNDATIONS OF MUS			04.0 CR		
	PREREQ GSC 100 OR CONSENT					
1	09.00	TWTHF		ALTG	115	INTRAVAIA
2	10.00	TWTHF		ALTG	115	FLOYD
207	PHIL OF BEAUTIFUL			03.0 CR		
1	10.00	T	TH	WHAM	105	MCCLURE GEORGE
	11.00		TH	AG	224	
2	10.00	T	TH	WHAM	105	MCCLURE GEORGE
	08.00		F	H EC	106	
3	10.00	T	TH	WHAM	105	MCCLURE GEORGE
	10.00		F	WHAM	210	
4	10.00	T	TH	WHAM	105	MCCLURE GEORGE
	01.00		F	LS I	323	

5	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	02.00			F	WHAM	329	
6	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	08.00	M			H EC	203	
7	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	12.00			TH	0720	118	
8	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	08.00		T		H EC	120	
9	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	03.00	M			AG	170	
10	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	02.00			TH	WHAM	202	
11	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	03.00			TH	AG	152	
12	10.00		T	TH	WHAM	105	MCCLURE GEORGE T
	01.00			TH	PHY SC	116	
208	LOGIC AND MEANING				04.0	CR	
1	10.00	M	W		WHAM	308	AUDI
	08.00		W	F	PHY SC	278	
2	10.00	M	W		WHAM	308	AUDI
	11.00		T		LS II	146	
	11.00			F	LS I	323	
3	10.00	M	W		WHAM	308	AUDI
	12.00	M		F	PHY SC	278	
4	10.00	M	W		WHAM	308	AUDI
	10.00			F	TECH A	122	
	10.00		T		WHAM	312	
5	11.00	M	W	F	PARK	124	EAMES S MORRIS
	08.00			TH	H EC	120	
6	11.00	M	W	F	PARK	124	EAMES S MORRIS
	11.00			TH	H EC	118	
7	11.00	M	W	F	PARK	124	EAMES S MORRIS
	12.00			F	H EC	106	
8	11.00	M	W	F	PARK	124	EAMES S MORRIS
	01.00			F	GYM	204	
9	11.00	M	W	F	PARK	124	EAMES S MORRIS
	02.00			F	0875	102	
10	11.00	M	W	F	PARK	124	EAMES S MORRIS
	03.00			F	CL	326	
11	11.00	M	W	F	PARK	124	EAMES S MORRIS
	10.00			F	AG	188	
12	11.00	M	W	F	PARK	124	EAMES S MORRIS
	01.00			TH	H EC	122	
13	11.00	M	W	F	PARK	124	EAMES S MORRIS
	02.00			F	WHAM	228	
14	11.00	M	W	F	PARK	124	EAMES S MORRIS
	03.00			F	0861	102	
15	11.00	M	W	F	PARK	124	EAMES S MORRIS
	09.00			TH	0720	118	
16	11.00	M	W	F	PARK	124	EAMES S MORRIS
	10.00			TH	CL	24	
17	02.00	M	W	F	PARK	124	EAMES
	08.00			F	H EC	203	
18	02.00	M	W	F	PARK	124	EAMES
	11.00			F	LS II	430	
19	02.00	M	W	F	PARK	124	EAMES
	03.00			TH	0721	102	EAMES
20	02.00	M	W	F	PARK	124	EAMES
	10.00			F	WHAM	307	
21	02.00	M	W	F	PARK	124	EAMES ELIZABETH R
	03.00		W		WHLR	107	
22	02.00	M	W	F	PARK	124	EAMES ELIZABETH R
	08.00			TH	H EC	104	
23	02.00	M	W	F	PARK	124	EAMES ELIZABETH R
	09.00			TH	WHLR	214	
24	02.00	M	W	F	PARK	124	EAMES ELIZABETH R
	10.00			TH	H EC	120	
25	02.00	M	W	F	PARK	124	EAMES ELIZABETH R
	11.00			TH	FELTS	130	
26	02.00	M	W	F	PARK	124	EAMES ELIZABETH R
	12.00			F	WHLR	113	

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   27    02.00            M W  F    PARK     124  EAMES ELIZABETH
         01.00                 F    WHAM     328
   28    02.00            M W  F    PARK     124  EAMES ELIZABETH
         12.00               TH     PHY SC   278
209   MOD LIT FORM IDEA                    04.0 CR
    1    08.00            MT THF    WHAM     307
    2    08.00            MTWTH     0720     107
    3    09.00            MT THF    0720     108
    4    10.00            MT THF    0720     108
      ENROLLMENT LIMITED TO ENGLISH MAJORS
    5    10.00             TWTH     0720     109
         10.00            M         H EC     203
    6    11.00            MT THF    0720     107
    7    11.00             T TH     WHAM     317
         11.00               W      PULL      41
         11.00                  F   WHAM     208
    8    12.00             TWTHF    WHAM     307
    9    12.00            MT THF    WHAM     329
   10    01.00             TWTHF    0720     108
      ENROLLMENT LIMITED TO ENGLISH MAJORS
   11    01.00            MT THF    PARK     301
   12    02.00             TWTHF    WHAM     307
   13    02.00            MT THF    WHAM     319
      ENROLLMENT LIMITED TO ENGLISH MAJORS
   14    03.00            MT THF    WHAM     319
   15    04.00            MT THF    WHAM     319
   16    05.45-07.25      M W       WHAM     307
   17    05.45-07.25       T TH     WHAM     317
   18    07.35-09.15 PM   M W       WHAM     307
   19    07.35-09.15 PM    T TH     WHAM     307
210   INTRO TO FICTION                     03.0 CR
    1    08.00            M W  F    WHAM     317
    2    08.00            M W  F    0720     109
    3    09.00            M W  F    0720     109
    4    10.00            M W  F    GYM      203
    5    11.00            M W  F    GYM      204
    6    12.00            M WTH     GYM      204
    7    01.00            M WTH     0720     109
    8    01.00             T        WHAM     326
         01.00               W  F   WHAM     112
    9    02.00            M WTH     0720     109
   10    02.00            M W  F    ARENA    123
   11    02.00            M W  F    0720     108
   12    03.00               WTH    WHAM     321
         03.00            M         H EC     104
         03.00                TH    WHAM     317
   13    03.00            M W  F    LS I     323
   14    04.00               WTH    WHAM     317
         04.00            M         H EC     120
   15    06.00-07.15 PM   M W       WHAM     317
   16    07.35-08.50 PM   M W       WHAM     303
   17    07.35-08.50 PM    T TH     COMM    2005
211A  ORIENTAL HUMANITIES                  03.0 CR
    1    02.00            M         LAWSCN   166  ALLEN DOUGLAS
         02.00               W      AG       214
215   TYPES OF RELIGION                    04.0 CR
    1    12.00             T THF    LAWSCN   121  HAYWARD
         09.00             T        AG       144
    2    12.00             T THF    LAWSON   121
         10.00             T        AG       144
    3    12.00             T THF    LAWSCN   121
305   CONTEMP FR DRAMA                     03.0 CR
    1    04.00            M W  F    WHAM     328  ROWLAND MICHAEL
310   REL FOUN-WEST CIVIL                  03.0 CR
    1    02.00             T TH     LS I     133  BARGEBUHR
         09.00             T        H EC     206
    2    02.00             T TH     LS I     133  BARGEBUHR
         03.00               TH     PHY SC   218
    3    02.00             T TH     LS I     133  BARGEBUHR
         10.00                  F   H EC     104
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   4     02.00              T TH     LS I      133  BARGEBUHR
         11.00              T        H EC      118
   5     02.00              T TH     LS I      133  BARGEBUHR
         12.00              T        H EC      118
   6     02.00              T TH     LS I      133  BARGEBUHR
         08.00              T        H EC      122
   7     02.00              T TH     LS I      133  BARGEBUHR
         08.00                 F     AG        166
   8     02.00              T TH     LS I      133  BARGEBUHR
         03.00                 F     WHAM      206
   9     02.00              T TH     LS I      133  BARGEBUHR
         11.00                 F     TECH B    122
  10     02.00              T TH     LS I      133  BARGEBUHR
         12.00                 F     H EC      122
  11     02.00              T TH     LS I      133  BARGEBUHR
         01.00                 F     PULL       43A
  12     02.00              T TH     LS I      133  BARGEBUHR
         02.00                 F     PULL       43A
317  RECENT AMER LIT                      03.0 CR
   1     08.00              TW  F     0720      108
     RESTRICTED FOR PR S CNLY
   2     09.00              M W  F    0720      114
   3     09.00              M W  F    0720      116
   4     10.00              M W  F    0861      101
   5     11.00              M W  F    0720      116
   6     12.00              M W       H EC      120
         12.00                 F     WHAM      202
   7     01.00              M W  F    WHAM      329
   8     02.00              M W  F    0720      114
   9     03.00              M         COMM     1014
         03.00                W  F    LIB       325
  10     04.00              M W  F    0720      114
  11     04.00              M W  F    0720      116
  12     06.00-07.15 PM     M W       H EC      102
  13     07.35-08.50 PM     M W       WHAM      329
325  BLACK AMER WRITERS                   03.0 CR
     PREREQ   GSC 103 OR EQUIVALENT
   1     01.00              M W       0720      102
         01.00                 F     0720      101
   2     01.00              M W       0720      102
         01.00                 F     0720      106
   3     01.00              M W       0720      102
         01.00                 F     0720      107
330  CLASSICAL MYTHOLOGY                  03.0 CR
   1     01.00              M WTH     PARK      111     OBRIEN JOAN V
   2     02.00              M W       H EC      203  OBRIEN JOAN V;
         02.00                TH     0720      108
340  MODERN ART A-IS CEN                  03.0 CR
   1     09.00              M W  F    LAWSON    141
345A WORLD LITERATURE                     03.0 CR
   1     09.00              T TH      AG        152
         09.00                 F     AG        166
   2     12.00              T    F    WHAM      317  RAIZIS BYRON M
         12.00                TH     H EC      122
   3     02.00              T TH      0861      102
         02.00                 F     0861      101
   4     03.00              T THF     AG        148
345B WORLD LITERATURE                     03.0 CR
   1     10.00              M W  F    0720      114
   2     01.00              M W  F    WHAM      228
345C WORLD LITERATURE                     03.0 CR
   1     08.00              M W  F    0862      101
   2     09.00              M         0720      103
         09.00                W  F    WHLR      207
   3     10.00              M         H EC      120
         10.00                T TH    H EC      104
   4     11.00              M W  F    H EC      122
   5     12.00              M W  F    0720      104
   6     03.00              M         GYM       204
         03.00                T TH    WHLR      214
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    7    06.00-07.15 PM  M W       0720     101
    8    07.35-08.50 PM  M W       0720     101
349  THE CINEMA                        03.0 CR
    1    10.00            T        LAWSCN   151   DAVIS
         05.45-07.25      T TH     LAWSCN   151
     SCREENING FEE FIVE DOLLARS
351A MASTERPIECES NOVEL                03.0 CR
    1    10.00           M         0720     104
         10.00            T TH     0720     103
    2    11.00           M         AG       116
         11.00            T TH     0720     103
351B MASTERPIECES NOVEL                03.0 CR
    1    11.00           M         H EC     120
         11.00              TH     H EC     118
         11.00            T        H EC     122
    2    12.00           MT TH     AG       224
    3    02.00           MT        PULL      39
         02.00              TH     0720     105
    4    07.35-08.50 PM   T TH     0720     101
363A PHIL OF SCIENCE                   03.0 CR
    1    11.00           M W  F    PHY SB   240   AUDI
365  SHAKESPEARE                       03.0 CR
    1    10.00           MT TH     AG       170
    2    12.00           MT TH     PULL      41
    3    02.00              TH     WHAM     317
         02.00            T        WHAM     202
         02.00           M         TECH A   122
    4    03.00           MT TH     PULL      43
    5    04.00           M W  F    0861     102
    6    06.00-07.15 PM  M W       0720     114
370A AMER MUS  FOLK+JAZZ               03.0 CR
      PREREQ   GSC 100 OR EQUIVALENT
    1    08.00           M W  F    ALTG     115   BRANCH
     (TOPIC-AMER FOLK MUS)
370B AMER MUS  FOLK+JAZZ               03.0 CR
      PREREQ   GSC 100 OR EQUIVALENT
    1    12.00           M W  F    ALTG     115   BRANCH
     (TOPIC-EVOLUTION OF JAZZ)
381  GREEK PHILOSOPHY                  03.0 CR
    1    08.00           M W  F    H EC     208   HOWIE JOHN
    2    12.00           M    F    H EC     203   ALLEN DOUGLAS
         12.00              W      H EC     208
    3    01.00           M W  F    H EC     208      DIEFENBECK  ME
    4    02.00           M W  F    H EC     208   LIU SHU-HSIEN
    5    03.00           M W  F    H EC     202      KELLY MATTH
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General Studies Area D—Organization and Communication of Ideas (GSD)

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101  ENGLISH COMPOSITION               03.0 CR
    1    08.00           M         WHAM     303
         08.00              W  F   WHLR     207
    2    08.00           M W  F    WHAM     312
    3    08.00           M W  F    0720     114
    4    08.00           M W  F    WARREN   129
    5    08.00           M W  F    TECH A   120
    6    08.00           M         TECH A   220
         08.00            T TH     TECH A   120
    7    08.00           M W  F    0720     116
    8    08.00           M W  F    0720     117   GIBB PATRICIA  U
    9    08.00            T TH     0862     102
         08.00                F    WHAM     112
   10    09.00           M W  F    FELTS    130
   11    09.00            T TH S   0720     109
   12    09.00           M W       GYM      203
         09.00                F    ARENA    125
   13    09.00            T TH S   WARREN   129
   14    09.00           M W  F    0720     117
   15    09.00           M W  F    0720     118
   16    09.00            T THF    0721     101
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17	09.00	M W F	0720	102
18	09.00	T TH	0721	102
	09.00	F	ARENA	119
19	09.00	M W	0720	107
	09.00	F	AG	168
20	09.00	T TH S	0720	114
21	09.00	T TH	0720	116
	09.00	W	0720	108
22	10.00	M W F	0720	116
23	10.00	T TH	FELTS	130
	10.00	M	ARENA	125
24	10.00	M W F	WARREN	129
25	10.00	M W F	0720	117
26	10.00	T TH	ARENA	121
	10.00	F	FELTS	130
27	10.00	M W F	0720	118
28	10.00	MT TH	0721	101
29	10.00	T TH	AG	150
	10.00	F	AG	220
30	10.00	M W F	0862	101
31	10.00	T TH	0720	106
	10.00	F	PULL	43A
32	10.00	T TH	PULL	43
	10.00	F	0720	109
33	10.00	TW	PULL	39
	10.00	F	0721	101
34	10.00	T	AG	148
	10.00	THF	LS I	16
35	11.00	M W F	PIERCE	130
36	11.00	T THF	0721	101
37	11.00	M W F	GYM	203
38	11.00	T TH S	GYM	203
39	11.00	M W F	0720	118
40	11.00	M W F	WARREN	129
41	11.00	T TH	0720	118
	11.00	F	H EC	104
42	11.00	M W F	AG	220
43	11.00	M	AG	188
	11.00	T TH	AG	220
44	12.00	M W F	0720	118
45	12.00	T TH	FELTS	130
	12.00	F	WARREN	129
46	12.00	M W	0862	102
	12.00	TH	H EC	118
47	12.00	M TH	GYM	203
	12.00	W	H EC	122
48	12.00	T THF	0720	117
49	12.00	M W F	0720	116
50	12.00	M WTH	AG	150
51	12.00	M W F	WHAM	305
52	12.00	T TH	0862	101
	12.00	F	0861	102
53	12.00	M WTH	0720	114
54	12.00	M W F	TECH A	120
55	12.00	TW F	GYM	203
56	12.00	M W F	WHAM	312
57	01.00	M W F	FELTS	130
58	01.00	M TH	GYM	203
	01.00	W	TECH A	422
59	01.00	TW F	GYM	203
60	01.00	T TH	0720	114
	01.00	F	0875	102
61	01.00	M W F	0720	114
62	01.00	M WTH	0720	116
63	01.00	M WTH	0720	117
64	01.00	M WTH	0720	118
65	01.00	T TH	WHAM	317
66	01.00	T THF	0862	101
67	01.00	T F	0720	116
	01.00	TH	WHAM	303
68	02.00	M W F	0720	116

69	02.00		T THF	FELTS	130
70	02.00		M WTH	WARREN	129
71	02.00		W	ABBOTT	129
	02.00		M TH	GYM	203
72	02.00		TW F	GYM	203
73	02.00		T TH	0720	116
	02.00		F	WHLR	107
74	02.00		M W F	0720	117
75	02.00		M WTH	AG	150
76	02.00		M WTH	0720	118
77	02.00		T THF	0721	101
78	02.00		M W F	AG	152
79	02.00		W	PULL	38
	02.00		F	WHAM	203
	02.00		M	0720	105
80	03.00		T TH	FELTS	130
	03.00		F	PIERCE	130
81	03.00		M WTH	0861	102
82	03.00		M TH	GYM	203
	03.00		W	PULL	39
83	03.00		TW F	GYM	203
84	03.00		T TH	0721	101
85	03.00		M WTH	AG	150
86	03.00		T TH	0720	118
	03.00		F	0861	101
87	03.00		M	WHAM	307
	03.00		W F	WHAM	307
88	03.00		M W F	WARREN	129
89	03.00		MT	WHLR	107
	03.00		TH	WHAM	329
90	03.00		T THF	TECH A	222
91	03.00		M W F	0720	118
92	03.00		MT	PULL	39
	03.00		TH	PULL	41
93	04.00		T THF	0720	118
94	04.00		M W F	0720	117
95	04.00		M W F	0720	109
96	04.00		T TH	0720	109
	04.00		F	0861	101
97	04.00		MT TH	WHLR	107
98	04.00		MT TH	AG	220
99	04.00		M W F	0720	108
100	04.00		M W F	0721	101
101	04.00		M W F	PHY SC	116
102	06.00-07.15 PM		T TH	GYM	203
103	06.00-07.15 PM		M W	0721	101
104	06.00-07.15 PM		T TH	0721	101
105	06.00-07.15 PM		T TH	0720	118
106	06.00-07.15 PM		T TH	0721	102
107	06.00-07.15 PM		T TH	WHAM	319
108	06.00-07.15 PM		M W	0720	118
109	06.00-07.15 PM		M W	0871	101
110	06.00-07.15 PM		T TH	WHLR	212
111	06.00-07.25 PM		T TH	0720	117
112	06.00-07.25 PM		M W	PULL	41
113	07.35-08.50 PM		T TH	WHAM	329
114	07.35-08.50 PM		M W	0720	117
115	07.35-08.50 PM		T TH	0720	117
116	07.35-08.50 PM		T TH	AG	150
117	07.35-08.50 PM		M W	WHAM	317
118	07.35-08.50 PM		T TH	0721	101
119	07.35-08.50 PM		M W	0862	101
120	07.35-08.50 PM		M W	0720	118
121	07.35-08.50 PM		M W	0720	109
122	07.35-08.50 PM		T TH	0871	101
123	07.35-08.50 PM		M W	0871	101
124	07.35-08.50 PM		T TH	WHLR	212

102 ENGLISH COMPOSITION 03.0 CR
PREREQ GSD 101 OR THE APPROPRIATE ACT SCORE

1	08.00	T TH	AG	152
	08.00	W	AG	150
2	08.00	M W F	H EC	102
3	08.00	MT TH	AG	150
4	08.00	M W	0720	104
	08.00	F	0720	102
5	08.00	T TH	AG	170
	08.00	F	AG	168
6	08.00	T TH	TECH A	122
	08.00	F	TECH A	420A
7	08.00	M W	0720	106
	08.00	TH	0720	108
8	08.00	T TH	0720	109
	08.00	F	0720	107
9	09.00	T TH	ABBOTT	129
	09.00	F	WHLR	113
10	09.00	F	CL	109
	09.00	W	H EC	202
	09.00	M	TECH A	122
11	09.00	T TH	AG	168
	09.00	F	AG	218
12	09.00	T TH S	AG	214
13	09.00	M W	0721	101
	09.00	F	WHAM	202
14	09.00	M W F	PULL	43A
15	10.00	M W F	WHAM	312
16	10.00	T TH	0720	114
	10.00	W	0720	104
17	10.00	M W F	H EC	102
18	10.00	WTH	WHAM	328
	10.00	T	WHLR	214
19	10.00	M	0875	101
	10.00	W	0871	101
	10.00	F	WHAM	208
20	10.00	T TH	0720	116
	10.00	W	PIERCE	130
21	10.00	T TH	0720	118
	10.00	F	TECH A	120
22	10.00	T TH	0720	117
	10.00	F	ARENA	119
23	10.00	M	0861	102
	10.00	T TH	0862	102
24	11.00	T TH	H EC	208
	11.00	W	0720	104
25	11.00	M W	0720	102
	11.00	F	H EC	206
26	11.00	T TH	0720	105
	11.00	F	H EC	118
27	11.00	M WTH	LSII	450
28	11.00	T TH	0720	106
	11.00	W	0720	107
29	11.00	T TH	TECH A	210
	11.00	F	TECH A	308
30	11.00	F	WHAM	301B
	11.00	T TH	H EC	104
31	11.00	M W	0721	101
	11.00	F	H EC	118
32	11.00	T TH	0720	116
33	12.00	T F	0720	114
	12.00	W	0720	117
34	12.00	MT TH	0861	101
35	12.00	M W F	0720	108
36	12.00	T TH	0720	108
	12.00	F	0720	107
37	12.00	MT TH	0720	102
38	12.00	M W	TECH A	122
	12.00	TH	WHAM	210
39	12.00	T F	WHAM	319
	12.00	TH	WHAM	208
40	12.00	M WTH	WHAM	328

41	12.00	M	AG	154
	12.00	W F	PULL	43A
42	12.00	M WTH	WHAM	317
43	01.00	TW F	AG	152
44	01.00	M	0862	101
	01.00	T TH	0862	102
45	01.00	M W F	H EC	118
46	01.00	T F	0720	117
	01.00	T	0720	118
47	01.00	MT TH	PIERCE	130
48	01.00	T THF	AG	148
49	01.00	T TH	0871	102
	01.00	F	PIERCE	130
50	01.00	M	0720	108
	01.00	W	0720	107
	01.00	F	0720	118
51	01.00	T F	AG	188
	01.00	TH	WHAM	203
52	02.00	T THF	0862	101
53	02.00	M W	0720	104
	02.00	TH	0720	106
54	02.00	M W F	H EC	102
55	02.00	T	0720	108
	02.00	W	0720	101
	02.00	F	0720	107
56	02.00	M WTH	H EC	201
57	02.00	T TH	0720	114
	02.00	F	H EC	118
58	03.00	M WTH	0861	101
59	03.00	TW F	H EC	201
60	03.00	M TH	H EC	201
	03.00	T	H EC	202
61	03.00	M TH	0720	101
	03.00	W	0720	108
62	03.00	W F	0720	107
	03.00	T	0720	106
63	03.00	T THF	H EC	122
64	03.00	M W F	H EC	206
65	03.00	M W	0871	101
	03.00	TH	0862	102
66	03.00	M F	H EC	118
	03.00	W	0720	109
67	04.00	TW F	H EC	201
68	04.00	M W	AG	154
	04.00	TH	0720	108
69	04.00	MT TH	H EC	206
70	04.00	T F	0720	101
	04.00	W	0720	103
71	04.00	M TH	AG	150
	04.00	W	0720	106
72	04.00	M W	0720	118
	04.00	F	0720	107
73	06.00-07.15 PM	M W	0720	103
74	06.00-07.15 PM	T TH	0720	103
75	06.00-07.15 PM	M W	WHAM	112
76	06.00-07.15 PM	T TH	0861	101
77	06.00-07.15 PM	T TH	0720	101
78	06.00-07.25 PM	T TH	0862	101
79	06.00-07.25 PM	M W	0720	107
80	07.35-08.50 PM	M W	CL	109
81	07.35-08.50 PM	T TH	CL	109
82	07.35-08.50 PM	M W	0721	102
83	07.35-08.50 PM	T TH	0720	106
84	07.35-08.50 PM	M W	AG	152
85	07.35-09.00 PM	T TH	0862	101
86	07.35-09.00 PM	T TH	PULL	43A
103	ORAL COMM OF IDEAS		03.0 CR	
1	08.00	M W F	AG	222
	01.00	TH	LAWSON	231

2	08.00	M W	WHAM	319
	01.00	TH	LAWSCN	101
	08.00	F	COMM	1022
3	08.00	M W F	COMM	1017
	01.00	TH	H EC	118
4	08.00	M W F	COMM	2012
	01.00	TH	H EC	201
5	08.00	T TH	AG	222
	08.00	F	AG	220
	12.00	TH	LAWSCN	231
6	08.00	T TH	PULL	43
	08.00	F	COMM	1020
	12.00	TH	LAWSCN	101
7	08.00	T TH	COMM	1020
	08.00	W	WHAM	307
	12.00	TH	H EC	102
8	08.00	T TH	WHAM	305
	08.00	F	COMM	1018
	12.00	TH	H EC	118
9	09.00	M W F	AG	222
	01.00	TH	LAWSCN	231
10	09.00	M W F	PULL	43
	01.00	TH	LAWSCN	101
11	09.00	M W F	COMM	1017
	01.00	TH	H EC	118
12	09.00	M W	COMM	2012
	09.00	F	COMM	1022
	01.00	TH	H EC	201
13	09.00	T TH	AG	222
	09.00	F	AG	170
	12.00	TH	LAWSCN	231
14	09.00	T TH	PULL	43
	09.00	F	ARENA	121
	12.00	TH	LAWSCN	101
15	09.00	TW	AG	148
	09.00	TH	AG	220
	12.00	TH	H EC	102
16	09.00	T TH	WHAM	305
	09.00	F	WHAM	210
	12.00	TH	H EC	118
17	10.00	MT TH	AG	222
	08.00	TH	LAWSCN	231
18	10.00	MT TH	CL	109
	08.00	TH	LAWSON	101
19	10.00	MT TH	WHAM	305
	08.00	TH	H EC	118
20	10.00	M	AG	144
	10.00	T TH	PHY SC	160
	08.00	TH	H EC	201
21	10.00	W F	AG	222
	10.00	T	TECH A	410
	09.00	TH	LAWSON	231
22	10.00	T	TECH A	420A
	10.00	W F	AG	154
	09.00	TH	LAWSCN	101
23	10.00	W F	WHAM	305
	10.00	T	H EC	102
	09.00	TH	H EC	118
24	10.00	TW	H EC	118
	09.00	TH	H EC	201
	10.00	F	COMM	1022
25	11.00	MT TH	AG	222
	08.00	TH	LAWSCN	231
26	11.00	T TH	0861	102
	11.00	M	AG	148
	08.00	TH	LAWSCN	101
27	11.00	MT TH	WHAM	305
	08.00	TH	H EC	118
28	11.00	W F	AG	222
	11.00	T	H EC	102
	09.00	TH	LAWSCN	231

29	11.00	W F	AG	154
	11.00	T	AG	148
	09.00	TH	LAWSCN	101
30	11.00	W F	WHAM	305
	11.00	TH	AG	170
	09.00	TH	H EC	118
31	11.00	W F	COMM	1020
	11.00	T	H EC	201
	09.00	TH	H EC	201
32	12.00	M WTHF	COMM	1020
33	01.00	M W F	AG	150
	09.00	TH	H EC	102
34	01.00	TWTH	AG	222
	10.00	TH	LAWSCN	231
35	01.00	M W F	PHY SC	118
	10.00	TH	LAWSCN	101
36	01.00	M W F	TECH A	222
	10.00	TH	H EC	118
37	02.00	M W F	COMM	1021
	09.00	TH	H EC	102
38	02.00	TWTH	AG	222
	10.00	TH	LAWSCN	231
39	02.00	M W F	COMM	1017
	10.00	TH	LAWSCN	101
40	02.00	F	WHAM	305
	10.00	TH	H EC	118
	02.00	M	COMM	1022
	02.00	W	0720	107
41	03.00	M W F	AG	152
	11.00	TH	LAWSCN	231
42	03.00	THF	AG	224
	11.00	TH	LAWSCN	101
	03.00	T	AG	220
43	03.00	M W F	PULL	43A
	11.00	TH	H EC	102
44	03.00	MT TH	COMM	1017
	11.00	TH	H EC	206
45	04.00	M WTHF	COMM	2012
SECT 45-RESTRICTED TO PRESIDENTS SCHOLARS				
46	04.00	M W F	AG	222
	11.00	TH	LAWSCN	231
47	04.00	T THF	PULL	43A
	11.00	TH	LAWSCN	101
48	04.00	M W F	COMM	1022
	11.00	TH	H EC	102
49	04.00	MT TH	PULL	38
	11.00	TH	H EC	206
50	06.00-07.25 PM	M W	COMM	1020
	08.00	TH	H EC	102
51	06.00-07.25 PM	T TH	COMM	1020
	10.00	TH	H EC	102
52	06.00-07.25 PM	M W	AG	222
	09.00	TH	H EC	206
53	06.00-07.25 PM	T TH	COMM	2012
	10.00	TH	H EC	201
54	06.00-07.25 PM	M W	WHAM	305
	11.00	TH	H EC	201
55	06.00-07.25 PM	T TH	AG	222
	12.00	TH	H EC	201
56	06.00-07.25 PM	T TH	LAWSON	121
	01.00	TH	H EC	206
57	06.00-07.25 PM	M W	COMM	1022
	08.00	TH	TECH A	222
58	06.00-07.25 PM	T TH	COMM	1022
	09.00	TH	TECH A	222
59	07.35-09.00 PM	M W	COMM	1020
	08.00	TH	H EC	102
60	07.35-09.00 PM	T TH	COMM	1020
	10.00	TH	H EC	102

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 61     07.35-09.00 PM   M W       AG       222
        09.00              TH      H EC     206
 62     07.35-09.00 PM    T TH     COMM    2012
        10.00              TH      H EC     201
 63     07.35-09.00 PM   M W       WHAM     305
        11.00              TH      H EC     201
 64     07.35-09.00 PM    T TH     AG       222
        12.00              TH      H EC     201
 65     07.35-09.00 PM    T TH     WHAM     305
        01.00              TH      H EC     206
 66     07.35-09.00 PM   M W       COMM    1022
        08.00              TH      TECH A   222
 67     07.35-09.00 PM    T TH     COMM    1022
        09.00              TH      TECH A   222
106   INTERMED ALGEBRA                  00.0 CR
   1    05:45-07:25 PM     T TH      PHY SC   116
      SECT 1 FOR PRE-111A STUDENTS
   2     08.00              T TH     H EC     106
         08.00               W  F    PHY SC   218
      SECT 2 FOR PRE-111A STUDENTS
   3     08.00              WTHFS    0871     101
      SECT 03 FOR PRE-107 STUDENTS
   4     10.00                 FS    AG       214
         10.00              T TH     PHY SC   218
      SECT 4 FOR PRE 107 STUDENTS
   5     12.00             M WTHF    COMM    1006
      SECT 5 FOR PRE-111A STUDENTS
   6     12.00             MT THF    PARK     111
      SECT 6 FOR PRE 107 STUDENTS
   7     01.00             MT THF    0875     101
      SECT 7 FOR PRE-111A STUDENTS
   8     03.00             MTWTH     ARENA    121
      SECT 8 FOR PRE 107 STUDENTS
   9     04.00             MTWTH     AG       168
      SECT 9 FOR PRE-111A STUDENTS
  10     05.45-07.25        T TH     AG       168
      SECT 10 FOR PRE 107 STUDENTS
107   BASIC COLLEGE MATH                05.0 CR
       PREREQ   GSD 106 OR 1 YR H.S. ALGEBRA
   1     08.00              T TH S   TECH A   322
         08.00             M         AG       220
         08.00                  F    TECH A   310
   2     08.00             MTW  FS   H EC     118
   3     08.00              T TH     0875     102
         08.00             M W  F    0871     102
   4     09.00             M W  F    PIERCE   130
         09.00              T    S   PHY SC   118
   5     09.00             M W  F    PHY SC   116
         09.00              T TH     PHY SC   218
   6     10.00             M WTHF    AG       168
         10.00              T        LS I     323
   7     10.00             M         PARK     111
         10.00              T TH     AG       166
         10.00                W  S   PARK     204
   8     11.00             MTWTHF    WHAM     202
   9     11.00             MTW  FS   ARENA    121
  10     12.00             MTWTHF    PARK     204
  11     12.00             MTW  F    H EC     102
         12.00                TH     AG       220
  12     12.00             MTWTHF    PHY SC   218
  13     01.00             M W  F    PARK     308
         03.00              T TH     PARK     204
  14     01.00             MTWTHF    BROWN    130
         01.00              T TH     LS I      16
  15     02.00             M    F    PHY SC   116
         02.00              T TH     TECH A   208
         02.00                W      TECH A   310
  16     02.00             M W       PHY SC   218
         02.00              T THF    AG       148
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17	03.00	M TWTHF	BROWN	130		
18	03.00	M W F	PARK	111		
	03.00	T TH	PARK	308		
19	06.00-07.25 PM	M WTH	TECH A	210		
20	07.35-09.00 PM	M WTH	TECH A	222		
21	07.35-09.00 PM	M WTH	TECH A	210		
109	ELEMENTS OF PROBAB		03.0 CR			
	PREREQ GSD 107					
1	08.00	M W	FELTS	130		
	08.00	F	TECH A	308		
2	10.00	M TH	PULL	38		
3	11.00	M TH	PHY SC	116		
4	12.00	M WTH	H EC	206		
5	02.00	TW F	AG	188		
6	03.00	T TH	PHY SC	116		
	03.00	M	H EC	203		
7	04.00	M W F	TECH A	220		
8	07.35-08.50 PM	M W	TECH A	322		
110	ECON-BUS STATISTICS		03.0 CR			
	PREREQ GSD 108B, 114B,CR EQUIV					
1	08.00	M TH	WHAM	105		
2	12.00	M TH	WHAM	105		
120A	ELEMENTARY CHINESE		03.0 CR			
1	10.00	TW F	PARK	301	YANG	
	10.00	M	0720	121		
123A	ELEMENTARY FRENCH		03.0 CR			
1	08.00	M WTH	PHY SC	258		
	08.00	F	WHLR	18		
2	08.00	T TH S	WHAM	210		
	08.00	F	WHLR	18		
3	09.00	T THF	GYM	203		
	09.00	W	WHLR	18		
4	09.00	T TH	WHLR	207		
	09.00	F	WHLR	107		
	09.00	W	WHLR	18		
5	10.00	M W	FELTS	130		
	10.00	F	WHLR	107		
	10.00	S	WHLR	18		
6	10.00	T TH	WHLR	207		
	10.00	F	WHAM	317		
	10.00	S	WHLR	18		
7	11.00	T	0720	101		
	11.00	W	0720	114		
	11.00	TH	WHLR	18		
	11.00	F	AG	170		
8	11.00	T TH	GYM	204		
	11.00	W	WHLR	18		
	11.00	F	LSII	450		
9	12.00	M W F	WHLR	207		
	12.00	TH	WHLR	18		
10	12.00	M W	AG	222		
	12.00	TH	WHLR	18		
	12.00	F	AG	224		
11	12.00	TW F	WHLR	214		
	12.00	M	WHLR	18		
12	01.00	M W	WHLR	214		
	01.00	TH	FELTS	130		
	01.00	F	WHLR	18		
13	01.00	M T TH	ABBOTT	129		
	01.00	F	WHLR	18		
14	02.00	M WTH	WHLR	214		
	02.00	F	WHLR	18		
15	02.00	T TH	TECH A	308		
	02.00	M	H EC	120		
	02.00	F	WHLR	18		
16	03.00	M W F	FELTS	130		
	03.00	T	WHLR	18		
17	04.00	M W F	H EC	122		
	04.00	TH	WHLR	18		
18	04.00	M W F	WHLR	207		
	04.00	TH	WHLR	18		

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  19    06.00-07.25 PM      TH     AG       220
        05.00             T        WHLR      18
        06.00-07.25 PM    T        H EC     202
  20    07.35-09.00 PM    M W      H EC     102
        06.00       PM      W      WHLR      18
123B  ELEMENTARY FRENCH                 03.0 CR
      PREREQ   GSD 123A
   1    11.00             M WTH    BAILEY   130
        11.00                 F    WHLR      18
   2    12.00              TW  F   CL        25
        12.00             M        WHLR      18
123C  ELEMENTARY FRENCH                 03.0 CR
      PREREQ   GSD 123B
   1    11.00              T TH    WHAM     303
        11.00                 F    WHAM     206
        11.00               W      WHLR      18
   2    02.00               W      0720     103
        02.00                 F    WHLR      18
        02.00             M        AG       154
        02.00                TH    LSII     430
   3    03.00             M  TH    AG       220
        03.00                 F    WHLR      18
        03.00              T       AG       170
   4    04.00             M  THF   AG       188
        04.00               W      WHLR      18
   5    04.00             M  THF   H EC      104
        04.00               W      WHLR      18
     SEE FRENCH LISTING FOR FF CONVERSATION
126A  ELEMENTARY GERMAN                 03.0 CR
   1    08.00             M W  F   WHLR     212
        08.00              T       WHLR      18
   2    08.00             M W  F   WHLR     214
        08.00              T       WHLR      18
   3    08.00             M W  F   PULL      41
        08.00                   S  WHLR      18
   4    09.00             M W  F   ABBOTT   129
        09.00              T       WHLR      18
   5    10.00             M W  F   LSII     430
        10.00                TH    WHLR      18
   6    10.00             M W  F   GYM      204
        10.00                TH    WHLR      18
   7    12.00             MT   F   WHLR     212
        12.00               W      WHLR      18
   8    01.00             M        COMM    1021
        01.00                 F    WHLR     107
        01.00              T       WHLR      18
        01.00               W      AG       220
   9    01.00             M        PULL      39
        01.00              T       WHLR      18
        01.00               W      0720     106
        01.00                 F    LSII     350
  10    02.00             M W  F   H EC      202
        02.00                TH    WHLR      18
  11    02.00             M W  F   WHLR     207
        02.00                TH    WHLR      18
  12    03.00             M W  F   WHLR     212
        03.00                TH    WHLR      18
  13    03.00             M W  F   LSII     250
        03.00                TH    WHLR      18
  14    04.00             M W  F   WHLR     212
        04.00              T       WHLR      18
  15    06.00-07.25 PM    M W      WHLR     212
        05.00               W      WHLR      18
  16    07.35-09.00 PM    M W      WHLR     212
        06.00       PM    M        WHLR      18
     SEE GERMAN LISTING FOR GERMAN CONVERSATI
     ON
126B  ELEMENTARY GERMAN                 03.0 CR
      PREREQ   GSD 126A
   1    12.00             MT TH    PULL     43A
        12.00               W      WHLR      18
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     2    04.00            M          H EC    118
          04.00             T         WHLR     18
          04.00               W  F    WHLR    214
        SEE GERMAN LISTING FOR GER CONVERSATION
126C  ELEMENTARY GERMAN                03.0 CR
       PREREQ   GSD 126B
     1    08.00            M     F    CL       24
          08.00              W       0721    101
          08.00                   S  WHLR     18
     2    01.00            M          WHLR    207
          01.00             T         WHLR    107
          01.00               W       WHLR     18
          01.00                   F   H EC    122
        SEE GERMAN LISTING FOR GER CONVERSATION
     3    04.00            M  W  F    PARK    111
          04.00             T         WHLR     18
130A  ELEMENTARY GREEK                 03.0 CR
     1    10.00            M  W  F    LSII    146     OBRIEN JOAN
133A  ELEMENTARY LATIN                 03.0 CR
     1    01.00            MT TH      WHLR    113  SHELBY THOMAS
135A  ELEM PORTUGUESE                  03.0 CR
     1    09.00             T    F    WHAM    208
          09.00               W       TECH A  122
          09.00            M          WHLR     18
136A  ELEMENTARY RUSSIAN               03.0 CR
     1    10.00            M          WHAM    112
          10.00             T         WHLR    113
          10.00                  F    CL      326
          10.00               W       WHLR     18
     2    11.00             TW  F     WHLR    107
        LAB TBA
     3    02.00             T    F    WHAM    317
          02.00            M          WHLR     18
          02.00               W       TECH A  122
        SEE RUSSIAN LISTING FOR CONVERSATION
     4    06.00-07.25 PM    T TH       WHAM    206
          07.35-08.25 PM    T          WHLR     18
136C  ELEMENTARY RUSSIAN               03.0 CR
       PREREQ   GSD 136B
     1    01.00             TW  F     WHLR    207
        LAB TBA
140A  ELEMENTARY SPANISH               03.0 CR
     1    08.00            M  W       PHY SA  458
          08.00                TH     WHLR     18
          08.00                   F   PULL     43A
     2    08.00            M  W       GYM     203
          08.00                   F   GYM     204
          08.00                TH     WHLR     18
     3    08.00             T TH  S   WHLR    214
          08.00               W       WHLR     18
     4    09.00            M  W  F     LS II   430
          09.00                TH     WHLR     18
     5    09.00            M          WHAM    303
          09.00                TH     WHLR     18
          09.00               W       PHY SA  258
          09.00                   F   CL       24
     6    10.00            M  THF     PIERCE  130
          10.00             T         WHLR     18
     7    10.00             T TH      PHY SC  118
          10.00                   F   TECH A  208
          10.00            M          WHLR     18
     8    10.00            M  W  F    WHLR    214
          10.00             T         WHLR     18
        SEE SPANISH LISTING FOR SPAN CONVERSATIO
        N
     9    11.00            M  W  F    WHLR    214
          11.00                   S  WHLR     18
    10    11.00             T TH      TECH A  122
          11.00                   S  WHLR     18
          11.00                   F  WHLR    113
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  11    12.00              M W  F    H EC     104
        12.00               T        WHLR      18
  12    01.00              M         PHY SA   358
        01.00                W       WHLR     113
        01.00                  TH    WHLR      18
        01.00                    F   PHY SC   458
  13    01.00              M     F    0861     102
        01.00                W       0721     102
        01.00                  TH    WHLR      18
  14    02.00              M W  F    LSII     146
        02.00               T        WHLR      18
  15    02.00              M W       WHLR     113
        02.00                    F   WHAM     328
        02.00               T        WHLR      18
  16    02.00              M         TECH A   408
        02.00               T    F    H EC     104
        02.00                W       WHLR      18
  17    02.00              M  THF    LSII     250
        02.00                W       WHLR      18
  18    03.00                W       PHY SA   458
        03.00                  TH    PHY SA   258
        03.00              M         WHLR      18
        03.00               T        WHLR     212
  19    03.00               TW  F    H EC     104
        03.00              M         WHLR      18
  20    04.00              M         H EC     203
        04.00                    F   WHLR      18
        04.00                W       WHAM     112
        04.00                  TH    H EC     102
  21    04.00               T TH     WHLR     207
        04.00                    F   WHLR      18
        04.00              M         WHLR     214
  22    04.00               T    F    WHLR     113
        04.00                W       WHLR     107
        04.00              M         WHLR      18
  23    06.00-07.25 PM     M W       H EC     104
        05.00              M         WHLR      18
  24    06.00-07.25 PM      T TH     H EC     104
        07.35-08.25 PM        TH     WHLR      18
  25    06.00-07.25 PM     M W       WHLR     113
        05.00              M         WHLR      18
  26    06.00-07.25 PM      T TH     WHAM     305
        07.35-08.25 PM        TH     WHLR      18
  27    07.00-08.25 PM      T        H EC     201
        06.00         PM      TH     WHLR      18
        07.00-08.25 PM        TH     WHAM     317
1408  ELEMENTARY SPANISH                  03.0 CR
      PREREQ   GSD 14CA CR EQUIVALENT
   1    08.00              M  THF    PIERCE   130
        08.00                W       WHLR      18
   2    09.00              M W  F    LSII     250
        09.00                    S   WHLR      18
   3    12.00              M WTH     WHLR     113
        12.00                    F   WHLR      18
     SEE SPAN LISTING FOR SPAN CONVERSATION
   4    12.00              M         AG       148
        12.00               TW       H EC     202
        12.00                    F   WHLR      18
     SEE SPAN LISTING FOR SPAN CONVERSATION
   5    03.00              M  THF    LSII     350
        03.00                W       WHLR      18
14CC  ELEMENTARY SPANISH                  03.0 CR
      PREREQ   GSD 14CB CR EQUIVALENT
   1    10.00               T        GYM      203
        10.00                  TH S   LS II    146
        10.00              M         WHLR      18
   2    11.00               T TH     H EC     120
        11.00              M         WHLR      18
        11.00                    F   PULL      41
   3    11.00              M W  F    WHAM     137
        11.00               T        WHLR      18
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    4     12.00              M W  F    WHLR     107
          12.00               T        WHLR      18
    5     04.00               T THF    0862     102
          04.00              M         WHLR      18
    6     06.00-07.25 PM     M W       H EC     202
          07.35-08.25 PM     M         WHLR      18
144A  ELEMENTARY ITALIAN                  03.0 CR
    1     09.00              M         WHLR     207
          09.00                W       TECH A   120
          09.00                 TH     WHLR     212
          09.00                   F    WHLR      18
    2     01.00               T        H EC     122
          01.00                 TH     WHLR     207
          01.00                   F    WHAM     301A
          01.00              M         WHLR      18
    3     06.00-07.25 PM      T TH     WHLR     107
          05.00                 TH     WHLR      18
210D  UNCOM LANG- SWAHILI                 05.0 CR
    1     10.00              MTWTHF    AG       152
      LABS TBA
210G  UNCOM LANG- VIETNAM                 05.0 CR
    1     09.00              MTWTHF    AG       224
      LABS TBA
210J  SERBO-CROATIAN                      05.0 CR
    1     03.00              MTWTHF    AG       188
      2 HRS OF LAB TBA
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General Studies Area E—Health and Physical Development (GSE)

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100A  RESTRICTED P E                      01.0 CR
    1     09.00               T TH     ARENA    555      GREENE
          08.00               T        LAWSON   161
    2     10.00              M W  F    ARENA    555      OKITA
    3     11.00              M W  F    ARENA    555      OKITA
101A  SWIMMING-BEGINNING                  01.0 CR
    1     08.00              M W  F    PULL P    11
    2     08.00-08.40         T TH S   PULL P    11
    3     08.40-09.20        M W  F    PULL P    11
    4     08.40-09.20         T TH S   PULL P    11
    5     09.20-10.00        M W  F    PULL P    11
    6     09.20-10.00         T TH S   PULL P    11
    7     10.00-10.40        M W  F    PULL P    11
    8     10.40-11.20        M W  F    PULL P    11
    9     08.00        PM    MT TH     PULL P    11      HOLDER
101B  SWIMMING - INTERMED                 01.0 CR
    1     10.00               T    S   PULL P    11
    2     12.00               T TH     PULL P    11      ESSICK
102   PHYSICAL FITNESS                    01.0 CR
    1     08.00              M W       ARENA    555   LONG LINN L
          08.00               T        LAWSON   161
    2     08.00               T TH     PULL     102   BELL LARRY R
          10.00                 TH     LAWSON   161
    3     08.00               T TH     ARENA    555   LONG LINN L
          12.00                W       WHAM     105
    4     08.00              M    F    PULL     102   BELL LARRY R
          10.00                 TH     LAWSON   161
    5     09.00              M W       ARENA    555   LONG LINN L
          08.00               T        LAWSON   161
    6     09.00              M    F    ARENA    555
          04.00              M         TECH A   111
    7     09.00               T TH     ARENA    555   LONG LINN L
          08.00               T        LAWSON   161
    8     09.00               T TH     ARENA    555
          09.00                   F    TECH A   111
    9     10.00              M    F    ARENA    555
          12.00                W       WHAM     105
   10     10.00               T TH     ARENA    555
          08.00               T        LAWSON   161
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  11     10.00              T TH     ARENA    555
         09.00                  F    TECH A   111
  12     11.00              M      F ARENA    555
         09.00                  F    TECH A   111
  13     11.00              T TH     PULL     102
         12.00                W      WHAM     105
  14     11.00              T    F   ARENA    555
         10.00                TH     LAWSON   161
  15     12.00              M W      ARENA    555
         10.00                TH     LAWSON   161
  16     12.00              T    F   ARENA    555
         08.00              T        LAWSON   161
  17     01.00              M W      ARENA    555
         04.00              M        TECH A   111
  18     01.00              T TH     PULL     102
         04.00              M        TECH A   111
  19     01.00              T    F   ARENA    555      JONES
         09.00                  F    TECH A   111
  20     01.00              M W      ARENA    555
         12.00                W      WHAM     105
  21     02.00              M W      ARENA    555
         04.00              M        TECH A   111
  22     02.00              T TH     PULL     102
         12.00                W      WHAM     105
  23     02.00              T    F   ARENA    555
         04.00              M        TECH A   111
103A  SQ AND SOC DANCE                  01.0 CR
    1    11.00              M W  F   GYM      114
    2    12.00              T THF    GYM      114
    3    04.00-05.30        M W      GYM      114
    4    04.00-05.30        T TH     GYM      114
    5    05.00-06.30        M W      GYM      114
    6    05.00-06.30        T TH     GYM      114
      CROSS-LISTED WITH GSE 113A
104B  ACTIVITY-BADMINTON                  01.0 CR
    1    08.00-09.30        T TH     ARENA    555  MEADE
    2    10.00-11.30        T TH     ARENA    555  MEADE
104D  ACTIVITY-BOWLING                   01.0 CR
    1    08.00              M W  F   U CTR     48      MEADE
    2    09.00              M W  F   U CTR     48
    3    10.00              M W  F   U CTR     48
    4    10.00              T TH S   U CTR     48      JONES
    5    11.00              M W  F   U CTR     48
    6    11.00              T TH S   U CTR     48      JONES
    7    12.00              M W  F   U CTR     48
    8    12.00-01.30        T TH     U CTR     48
    9    01.00              M W  F   U CTR     48
   10    01.30-03.00        T TH     U CTR     48
   11    02.00              M W  F   U CTR     48

      (GSE 104D FEE REQUIRED)

104E  ACTIVITY-GOLF                      01.0 CR
    1    09.00              MTWTH    ARENA    555  BCLICK MARK
    2    10.00              MTWTH    ARENA    555
    3    10.00-12.00            FS   ARENA    555
      GSE 104E MEETS FIRST NINE WEEKS ONLY
    4    11.00              MTWTH    ARENA    555
    5    12.00              MTWTH    ARENA    555
    6    01.00              MTWTH    ARENA    555  HOLDER LYNN C
    7    02.00              MTWTH    ARENA    555     WILKINSON
104F  ACTIVITY-SOCCER                    01.0 CR
    1    12.00              M W  F   ARENA    555
104H  ACTIVITY-TENNIS                    01.0 CR
    1    09.30-10.50        M W      TENNIS   100  JONES
    2    10.00-11.50            FS   TENNIS   100
    3    11.00              MTWTH    TENNIS   100
    4    12.00              MT THF   TENNIS   100  IUBELT GEORGE
    5    01.00              MTWTH    TENNIS   100
    6    02.00              MTWTH    TENNIS   100
      GSE 104H MEETS FIRST NINE WEEKS ONLY
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104N  ACTIVITY-CROSS COUN                    01.0 CR
    1    11.00            M W  F   ARENA   555
104R  ACTIVITY-STUNTS                        01.0 CR
    1    12.00            M W  F   ARENA   555
104U  ACTIVITY-WRESTLING                     01.0 CR
    1    08.00            M TWTH   ARENA   555  MAZIE ROBERT
    2    09.00            M TWTH   ARENA   555
      GSE 104U MEETS FIRST NINE WEEKS ONLY
104W  ACTIVITY-JUDO                          01.0 CR
    1    11.00-12.30        T TH   ARENA   555  FRANKLIN C C J
104X  ACTIVITY-HANDBALL                      01.0 CR
    1    08.00            M TWTH   HDBALL  100  BOLICK MARK
    2    09.00            M TWTH   HDBALL  100  REESE CARL D
    3    10.00            M TWTH   HDBALL  100     MEADE
    4    11.00            M TWTH   HDBALL  100     BOLICK
      GSE 104X MEETS FIRST NINE WEEKS ONLY -
      FEE REQUIRED
105   WEIGHT CONTROL                         01.0 CR
       PREREQ   CONSENT OF INSTR
    1    09.00            M W  F   ARENA   555  KNOWLTON RONAL G
      MAY BE TAKEN BY CONSENT OF INSTRUCTOR
110A  RESTRICTED P E                         01.0 CR
    1    03.00            M W  F   GYM     114  COTTEN SARAH L E
111A  SWIMMING-BEGINNING                     01.0 CR
    1    11.00-12.30        T TH   GYM     114  COOPER CAROL
    2    01.00            M W  F   PULL P   11
    3    01.00-02.30        T TH   GYM     114     COOPER
    4    07.00        PM  M T TH   PULL P   11  COOPER CAROL
111B  SWIMMING-INTERMED                      01.0 CR
       PREREQ   GSE 111A OR EQUIVALENT
    1    01.00            M W  F   PULL P   11     COOPER
    2    02.00            M W  F   PULL P   11
    3    03.00            M W  F   PULL P   11
    4    07.00        PM  M T TH   PULL P   11  ILLNER JULEE
112   EXERCISE FOR FITNES                    01.0 CR
    1    09.00              W   S  GYM     207
         12.00                TH   GYM     207  COTTEN
    2    10.00            M W   S  GYM     207
    3    10.00              T THF  GYM     208     BRECHTELSB ER
    4    11.00            M     S  GYM     207
         12.00                TH   GYM     207  COTTEN
    5    05.00-06.30      M W      GYM     207  COTTEN SARAH LE
113A  SQUARE DANCE                          01.0 CR
    1    11.00            M W  F   GYM     114
    2    12.00              T THF  GYM     114
    3    04.00-05.30      M W      GYM     114
    4    04.00-05.30        T TH   GYM     114
    5    05.00-06.30      M W      GYM     114
    6    05.00-06.30        T TH   GYM     114  LITHERLAND BA AR
      CROSS LISTED WITH MENS P E
113D  DANCE-BEG CONTEMP                      01.0 CR
    1    08.00            M W  F   GYM     208
    2    10.00            M     S  GYM     208
         12.00              T      GYM     207
    3    02.00              T THF  GYM     208
    4    02.00            M W  F   0813    101  GRAY WINSTON
    5    03.00            M W  F   GYM     208  LITHERLAND B BAR
    6    03.00              TWTH   GYM     208  LITHERLAND B BAR
    7    04.00            M W  F   0813    101
114A  ACTIVITY-ARCHERY                       01.0 CR
    1    12.00-01.50      M W      GYM     208
      FIRST EIGHT WEEKS
    2    02.00-03.50      M W      GYM     208
      FIRST EIGHT WEEKS
114B  ACTIVITY-BADMINTON                     01.0 CR
    1    01.00            M W  F   GYM     207
    2    01.00              TWTH   GYM     207
    3    02.00            M W  F   GYM     207
    4    02.00              TWTH   GYM     207
    5    03.00-04.30        T TH   GYM     207
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114C	ACTIVITY-BOWLING			01.0	CR		
1	08.00	M	W F	U CTR	48		
2	09.00	M	W F	U CTR	48		
3	10.00	T	W F	U CTR	48		
4	11.00	M	W F	U CTR	48	COOPER CAROL	
5	12.00	M	W F	U CTR	48		
6	12.00-01.30	T	TH	U CTR	48		
7	01.00	M	W F	U CTR	48		
8	01.00-02.30	T	TH	U CTR	48		
9	02.00	M	W F	U CTR	48		
10	02.00-03.30	T	TH	U CTR	48		
11	03.00	M	W F	U CTR	48		
12	03.00-04.30	T	TH	U CTR	48		
13	04.00	M	W F	U CTR	48		
114H	ACTIVITY-TENNIS			01.0	CR		
1	08.00-09.35	MT	THF	GYM	206		
	MEETS FIRST SIX WEEKS						
2	09.00-10.35	MT	THF	GYM	114		
	MEETS FIRST SIX WEEKS						
3	10.00-11.35	T	WTHF	GYM	114	COTTEN SARAH ELLEN	
	MEETS FIRST SIX WEEKS						
4	10.00-11.30	M	S	GYM	114		
5	11.00-12.35	MT	THF	GYM	206		
	MEETS FIRST SIX WEEKS						
6	11.00-12.30	W	S	GYM	114		
7	12.00-01.35	MT	THF	GYM	206		
	MEETS FIRST SIX WEEKS						
8	01.00-02.35	MT	THF	GYM	206		
	MEETS FIRST SIX WEEKS						
9	02.00-03.35	MT	THF	GYM	206		
	MEETS FIRST SIX WEEKS						
10	03.00-04.35	MT	WTH	GYM	206		
	MEETS FIRST SIX WEEKS						
114I	ACTIVITY-VOLLEYBALL			01.0	CR		
1	08.00	T	TH S	GYM	207		
2	04.00		F	GYM	208		
	05.00	T	TH	GYM	207		
3	07.00-08.30 PM	T	TH	GYM	208		
114M	ACTIVITY-FENCING			01.0	CR		
1	01.00-02.30	T	TH	GYM	114	COTTEN SARAH ELLEN	
2	02.00	M	W F	GYM	114	COTTEN SARAH ELLEN	
3	02.00-03.30	T	TH	GYM	114		
4	03.00-04.30	T	TH	GYM	114		
5	06.00-07.30 PM	M	W	GYM	114		
114P	ACTIVITY-GYM + TUMB			01.0	CR		
1	03.00	M	W F	GYM	207		
2	04.00	M	W F	GYM	207		
201	HEALTHFUL LIVING			03.0	CR		
1	08.00	M	W F	BAILEY	130		
2	08.00	M	W F	ARENA	119		
3	08.00	M	W F	ARENA	121		
4	08.00	T		ARENA	119	WIGLEY, RICHARD	
	08.00		THF	ARENA	123	WIGLEY, RICHARD	
5	09.00	M	W	H EC	102		
	09.00		TH	TECH A	220		
6	09.00	M	W	H EC	118		
	09.00		F	CL	326		
7	09.00	M	W	TECH A	222		
	09.00		TH	ARENA	123		
8	09.00	M	W F	H EC	206		
9	09.00	M	W F	LAWSON	101		
10	09.00	M	W F	H EC	201		
11	09.00	M	W	LAWSON	231		
	09.00		TH	TECH A	210		
12	09.00	M	W	LAWSON	171		
	08.00		TH	ARENA	119		
13	09.00	M	W	LAWSON	171		
	11.00		TH	TECH D	131		
14	09.00	M	W	LAWSON	171		
	12.00		TH	TECH A	410		

15	09.00		M	W	LAWSCN	171	
	01.00			TH	ARENA	119	
16	09.00		M	W	LAWSCN	171	
	08.00			TH	TECH A	208	
17	09.00		M	W	LAWSCN	171	
	08.00			TH	ARENA	121	
18	09.00		M	W	LAWSCN	171	
	03.00		M		ARENA	123	
19	09.00		M	W	LAWSCN	171	
	03.00			TH	TECH A	210	
20	09.00		M	W	LAWSCN	171	
	03.00			TH	ARENA	123	
21	09.00		M	W	LAWSCN	171	
	06.00	PM		TH	ARENA	123	
22	10.00		M	W F	ARENA	121	
23	10.00		M	W F	ARENA	123	
24	11.00		M	W	0861	102	
	11.00			F	AG	168	
25	11.00		M	W F	H EC	102	
26	11.00		M	W F	TECH A	222	
27	11.00		M	W	H EC	206	
	11.00			TH	ARENA	121	
28	11.00		M	W	LAWSCN	101	
	11.00			F	TECH A	310	
29	11.00		M	W	H EC	201	
	11.00			TH	PIERCE	130	
30	12.00		M	W F	TECH A	220	
31	12.00		M	W F	BAILEY	130	
32	12.00			TWTH	BROWN	130	
33	01.00		M	W	COMM	1018	
	01.00			TH	0861	102	
34	01.00		M	W	H EC	102	
	01.00			TH	TECH A	320	
35	01.00			TH	0721	101	
	01.00		M	W	TECH A	310	
36	01.00		M	W F	TECH A	308	
37	01.00		M	W F	ARENA	119	
38	01.00		M		ARENA	123	
	01.00			TH	ARENA	121	
	01.00			T	AG	214	
39	01.00		M	W	LAWSCN	141	
	03.00			W	ARENA	123	
40	01.00		M	W	LAWSCN	141	
	03.00			F	ARENA	123	
41	01.00		M	W	LAWSCN	141	
	12.00			F	ARENA	125	
42	01.00		M	W	LAWSCN	141	
	01.00			F	ARENA	125	
43	01.00		M	W	LAWSCN	141	
	11.00			T	ARENA	125	SCRENSON ROBI T E
44	01.00		M	W	LAWSCN	141	
	03.00		M		TECH A	308	
45	01.00		M	W	LAWSCN	141	
	04.00		M		TECH A	310	SCRENSON ROBI T E
46	01.00			T TH	LAWSCN	141	
	11.00			F	TECH A	322	
47	01.00		M	W	LAWSCN	141	
	12.00		M		PULL	39	SCRENSON ROB T E
48	01.00		M	W	LAWSCN	141	
	12.00			W	PULL	39	SCRENSON ROB T E
49	02.00		M	W F	ARENA	121	
50	02.00		M	W	LAWSON	141	
	11.00			TH	ARENA	125	
51	02.00		M	W	LAWSCN	141	
	11.00			W	PULL	39	
52	02.00		M	W	LAWSON	141	
	02.00			F	PHY SC	160	
53	02.00		M	W	LAWSCN	141	
	01.00			F	AG	220	
54	02.00		M	W	LAWSON	141	
	01.00			F	BAILEY	130	

55	02.00	M	W	LAWSCN	141	
	02.00		F	BAILEY	130	
56	02.00	M	W	LAWSON	141	
	08.00		W	PULL	43A	
57	02.00	M	W	LAWSCN	141	
	10.00		W	H EC	122	
58	02.00	M	W	LAWSON	141	
	10.00		W	H EC	201	
59	02.00	M	W	LAWSCN	141	
	11.00		W	WHAM	319	PORTER W NATHANIEL
60	06.00-07.25 PM	M	W	ARENA	123	

SCHEDULE OF DEPARTMENTAL COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR

Liberal Arts and Sciences (LA S)

300 INDIV INTERDIS READ 01.0 TO 04.0 CR
1 TO BE ARRANGED

301 INDIV INTERDISC RES 01.0 TO 04.0 CR
1 TO BE ARRANGED

302 IND INTERDIS F STUD 01.0 TO 04.0 CR
1 TO BE ARRANGED

Accounting (ACCT)

250 ACCT FUNDAMENTALS 04.0 CR
1 04.00 MT THF LAWSCN 231

251A FINANCIAL ACCT 04.0 CR
PREREQ SOPHOMORE STANDING

1	11.00	T	F	LAWSCN	141	
	08.00	M		CL	18	
	08.00		TH	CL	12	
2	11.00	T	F	LAWSCN	141	
	09.00	W	S	CL	18	
3	11.00	T	F	LAWSCN	141	
	10.00	M	W	CL	12	
4	11.00	T	F	LAWSCN	141	
	10.00	W	S	CL	18	
5	11.00	T	F	LAWSCN	141	
	11.00	M		CL	12	
	11.00	W		CL	18	
6	11.00	T	F	LAWSCN	141	
	12.00	M	TH	LAWSCN	221	
7	11.00	T	F	LAWSON	141	
	12.00	M		CL	18	
	12.00		TH	CL	12	
8	02.00	T	F	LAWSCN	161	
	01.00	M		CL	12	
	01.00	W		CL	18	
9	02.00	T	F	LAWSCN	161	
	01.00	M	W	LAWSCN	231	
10	02.00	T	F	LAWSON	161	
	02.00	M		CL	18	
	02.00	W		CL	12	
11	02.00	T	F	LAWSCN	161	
	03.00	M	W	LAWSON	101	
12	02.00	T	F	LAWSON	161	
	04.00	M	W	LAWSCN	221	
13	05.45-07.25	M	W	CL	12	

251B FINANCIAL ACCT 04.0 CR
PREREQ ACCT 251A

1	09.00	T		LAWSCN	141	
	08.00		WTHF	CL	18	
2	09.00	T		LAWSON	141	
	09.00		THF	CL	18	
	09.00		S	CL	12	
3	09.00	T		LAWSCN	141	
	10.00		THFS	CL	12	
4	09.00	T		LAWSON	141	
	02.00		WTHF	CL	18	

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    5    09.00              T        LAWSCN  141
         03.00               WTHF    CL       18
261  MANAGEMENT ACCT                    04.0 CR
      PREREQ   ACCT 251B AND MATH 111A
    1    11.00                TH     LAWSCN  141
         08.00             MTW       CL       12
    2    11.00                TH     LAWSCN  141
         09.00             MT        CL       18
         09.00               W       CL       12
    3    11.00                TH     LAWSCN  141
         12.00             MT        CL       12
         12.00               W       CL       18
    4    11.00                TH     LAWSCN  141
         01.00              TW  F    CL       12
    5    11.00                TH     LAWSCN  141
         03.00             MT        CL       18
         03.00               W       CL       12
    6    05.45-07.25        T TH     CL       12
315  EDP IN BUSINESS                    04.0 CR
      PREREQ   ACCT 261
    1    01.00                TH     LAWSCN  141
         08.00             MTW       LAWSCN  231
    2    01.00                TH     LAWSCN  141
         01.00             MTW       H EC    206
    3    01.00                TH     LAWSCN  141
         04.00             MTW       PHY SC  118
331  TAX ACCOUNTING                     04.0 CR
      PREREQ   ACCT 261
    1    03.00             MT THF    CL       12
341  COST ACCOUNTING                    04.0 CR
      PREREQ   ACCT 261
    1    10.00             MT THF    CL       18
    2    04.00             MT THF    CL       18
351A INTERMEDIATE ACCT                  04.0 CR
      PREREQ   ACCT 261
    1    09.00             MT THF    CL       12
    2    01.00             MT THF    CL       18
351B INTERMEDIATE ACCT                  04.0 CR
      PREREQ   ACCT 351A
    1    11.00             MT THF    CL       18
410  ACCOUNTING CONCEPTS                04.0 CR
      PREREQ   MBA STUDENTS ONLY, ACCT 250 OR
               251C
    1    01.00             MT THF    CL       25
456  AUDITING                           04.0 CR
      PREREQ   ACCT 331, 341, AND 351A,B
    1    11.00              TWTHF    CL       12
475  BUDGETING + SYSTEMS                04.0 CR
      PREREQ   ACCT 261, FIN 320
    1    02.00             MT THF    CL       12
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Aerospace Studies (A S)

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100A CORPS TRAINING                     00.0 CR
    1    10.00              T        PULL     42  STALEY HENRY
101  EVOL OF CONFLICT                   01.0 CR
    1    09.00              T        WHLR    113  STALEY HENRY
    2    09.00                TH     WHLR    113  MURPHY EDWARD C
    3    11.00              T        WHLR    113  STALEY HENRY
    4    11.00                TH     WHLR    113  MURPHY EDWARD C
200A CORPS TRAINING                     00.0 CR
      PREREQ   AS 101, 102, 103
    1    10.00              T        PULL     42  STALEY HENRY
201  US MILITARY FORCES                 01.0 CR
      PREREQ   AS 101, 102, 103
    1    09.00               W       WHLR    113  STALEY HENRY
    2    11.00               W       WHLR    113  STALEY HENRY
300  CORPS TRAINING                     00.0 CR
    1    10.00              T        PULL     42  STALEY HENRY
301  AEROSPACE STUDIES                  03.0 CR
      PREREQ   SATISFACTORY COMPLETION OF GMC
               OR 6WK FIELD TRNG CRS
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    1     08.00              M WTH     WHLR     107  CHASTAIN CHARLIE W
    2     10.00              M WTH     WHLR     107  CHASTAIN CHARLIE W
    3     02.00              M WTH     WHLR     107     CHASTAIN CHARLIE
340   CORPS TRAINING                      00.0 CR
    1     10.00               T         PULL      42  STALEY HENRY A
351   MIL PROFESSIONALISM                 03.0 CR
       PREREQ   AS 3C1,3C2 + 3C3 CR CONSENT OF
                PAS
    1     09.00              M WTH     WHLR     107  ENGLAND LAWRENCE E
    2     01.00              M WTH     WHLR     107  ENGLAND LAWRENCE E
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Agricultural Industries (AG I)

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204   INTRC AG ECONOMICS                  04.0 CR
    1     02.00              M W       AG       166  HERR WILLIAM M
          02.00                 TH     AG       225  HERR WILLIAM M
          02.00               T         PULL      38
    2     02.00              M W       AG       166  HERR WILLIAM M
          02.00                    F    AG       225  HERR WILLIAM M
          02.00               T         PULL      38
    3     02.00              M W       AG       166  HERR WILLIAM M
          03.00                 TH     AG       225
          02.00               T         PULL      38
306A  SOIL + WATER CONS                   03.0 CR
       PREREQ   ONE COURSE IN SOILS
    1     11.00              M W  F    AG       166  JONES JOE H
      CROSS-LISTED WITH FL I3C6A
306B  SOIL + WATER CONS                   02.0 CR
       PREREQ   AG I 3C6A OR CONCURRENT
                ENROLLMENT IN 3C6A
    1     11.00-12.50         T TH     AG       195
      CROSS-LISTED WITH FL I3C6E
    2     03.00-04.50         T TH     AG       195
309   AGRICULTURAL EDUC                   04.0 CR
       PREREQ   S ED 31C, AG I 311, + 48 HRS I
                N AGRICULTURE
    1     09.00-11.50       MTWTHF    AG       155  WOOD
312   STUDENT TEACH-AG ED                 12.0 CR
       PREREQ   CONCURRENT 309
    1     TO BE ARRANGED
350   FARM MANAGEMENT                     05.0 CR
       PREREQ   AG I 2C4 OR GSE 211A
    1     01.00              MT THF    AG       225  LANGFORD GORDON
          12.00-01.50          W       AG       225
    2     01.00              MT THF    AG       225     LANGFORD GORDON
          03.00-04.50             F    AG       225     LANGFORD GORDON
352   AGRICULTURAL PRICES                 03.0 CR
       PREREQ   AG I 354
    1     08.00              MT TH     AG       225
354   AGRICULTURAL MKTG                   03.0 CR
       PREREQ   AG I 2C4 OR GSE 211A
    1     09.00              MT TH     AG       166     SELVERSON LYLE
359   INTERN PROGRAM          03.0 TO 05.0 CR
       PREREQ   JR STANDING
    1     TO BE ARRANGED
375   BASIC AG MECH                       03.0 CR
       PREREQ   MATH 1C7A, GSA 101A,B OR EQUIV
    1     08.00-09.50         T TH     0831     101
    2     03.00-04.50         T THF    0831     101
381   AGRI SEMINAR             01.0 TO 02.0 CR
       PREREQ   SENIORS ONLY
    1     04.00               T         AG       225  BUILA THEODORE
      CROSS-LISTED WITH FL I381
390   SPEC STUD AG I           01.0 TO 06.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1     TO BE ARRANGED
391   HONORS IN AG INDUST      01.0 TO 06.0 CR
       PREREQ   JR STAND, 4.0 GPA(4.25 IN MAJ)
                ,+ CONSENT OF DEPT CHM
    1     TO BE ARRANGED
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412 PRIN AG MECHANIZAT 04.0 CR
1 09.00 T TH AG 225 WCCD + DOE
08.00-09.50 M W AG 102A
2 09.00 T TH AG 225 WCCD + DOE
03.00-04.50 M W AG 102A
456A AG MKTG - COOPS 03.0 CR
PREREQ AG I 354, CR CONSENT OF INSTR
1 10.00 MTW AG 214 WILLS
456E AG MKTG-HORT CROPS 02.0 CR
PREREQ AG I 354, CR CONSENT OF INSTR
1 11.00 T TH AG 225 HAAG HERMAN H
478 ADV FARM MACHINERY 04.0 CR
PREREQ AG I 350 AND 373 OR CONSENT OF INSTR
1 08.00-11.50 S AG 155 PATERSON JOHN J
485 PRIN-PHIL VO TEC ED 03.0 CR
PREREQ STUDENT TEACHING OR CONSENT OF DEPARTMENT
1 09.00-11.30 S TECH A 208 RAMP
520 READINGS 01.0 TO 06.0 CR
1 TO BE ARRANGED
554 ADV AGRI MARKETING 04.0 CR
PREREQ 12 HRS CR EQUIV IN ECON OR AG ECON
1 08.00 MTWTH AG 155 WILLS
575 RESEARCH 01.0 TO 06.0 CR
1 TO BE ARRANGED
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

Animal Industries (ANI)

121 ANIMAL SCIENCE 05.0 CR
PREREQ NONE
1 11.00 MTW F AG 102 MARION
10.00-11.50 TH AG 102A
2 11.00 MTW F AG 102 MARION
01.00-02.50 TH AG 102A
3 11.00 MTW F AG 102 MARION
08.00-09.50 TH AG 102
311C EVAL + SEL FARM ANI 02.0 CR
PREREQ AN I 311B
1 08.00-11.50 S AG 120 MILLER,CLSCN 00
315 FEEDS AND FEEDING 04.0 CR
PREREQ AN I 121
1 09.00 M W F AG 214 REED
09.00-10.50 T AG 120
2 09.00 M W F AG 214 REED
01.00-02.50 T AG 120
3 09.00 M W F AG 214 REED
09.00-10.50 TH AG 120
318 MEAT,ANIM,CARC EVAL 03.0 CR
PREREQ AN I 121 AND CONCENTRATION IN AN I
1 11.00-12.50 M AG 132 MILLER HOWAR W
04.00-06.50 W AG 132
327 POULTRY MANAGEMENT 04.0 CR
PREREQ AN I 125
1 01.00 MT F AG 132 GOODMAN BILL LE
01.00-02.50 W AG 132
359 INTERN PROGRAM 03.0 TO 05.0 CR
PREREQ JR STANDING
1 TO BE ARRANGED
381 AGRICULTURAL SEM 01.0 CR
PREREQ SENIOR STANDING
1 04.00 T AG 132 KAMPLADE
CROSS-LISTED WITH FOR, AG I, PL I 381
390 SPEC STUD AN I 01.0 TO 06.0 CR
PREREQ JR OR SR STANDING AND CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED

391 HONORS IN AN I 01.0 TO 06.0 CR
PREREQ JR STANDING,4.C GPA,4.25 IN MA
JOR,CONSENT OF DEPT
1 TO BE ARRANGED
415A ANIMAL NUTRITION 04.0 CR
PREREQ AN I 315 AND ORGANIC CHEM OR
EQUIVALENT
1 C3.00 M T TH AG 168 STILES
02.00-03.50 W AG 120
2 03.00 M T TH AG 168 STILES
04.00-05.50 W AG 120
3 03.00 M T TH AG 168 STILES
03.00-04.50 F AG 120
434 PHSL OF LACTATION 03.0 CR
PREREQ PHSL + ORGANIC CHEM
1 09.00 M T F AG 114 OLSON
485 BEEF PRODUCTION 04.0 CR
PREREQ AN I 315, 332, 431
1 02.00 M T F AG 116 KAMMLADE
01.00-02.50 TH AG 114
505A RES METH IN AG SCI 04.0 CR
PREREQ CONSENT OF INSTR
1 10.00 T AG 132 BURNSIDE JOSEPH E JR
09.00-10.50 M W AG 120
52C READINGS IN AN IND 01.0 TO 06.0 CR
1 TO BE ARRANGED
575 INDIVIDUAL RESEARCH 01.0 TO 06.0 CR
1 TO BE ARRANGED
581 SEMINAR 01.0 TO 06.0 CR
1 04.00 T AG 114 KAMMLADE
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED

Anthropology (ANTH)

275D INDIV STUDY-GENERAL 02.0 TO 18.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED LANGE
300 PHYSICAL ANTH 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 02.00 M W F H EC 106 MULLER JON D
303 OLD WORLD PREHIST 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 12.00 M T TH H EC 106 WEIGAND
305A PEOPLE-CULT WORLD I 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 09.00 M W F H EC 106 BELMONT JOHN S
306A PEOPLE-CULT WRLD II 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 10.00 M W F H EC 106 ALTSCHULER MILTON
401 LANGUAGE IN CULTURE 04.0 CR
PREREQ ANTH 250 OR EQUIV
1 09.00-10.50 M W H EC 8E MARING J
404 PRIM ART AND TECH 04.0 CR
PREREQ ANTH 250 OR EQUIV
1 10.00-11.50 T TH H EC 106 DARK PHILIP J C
MUST TAKE 1 HR OF 483 CONCURRENTLY
405 SOCIAL ANTHROPOLOGY 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 01.00 M W F H EC 106 GUEMPLE
407 GENERAL ETHNOLOGY 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 03.00 W H EC 102 LANGE
413 INTR TO GEN LINGUIS 03.0 CR
PREREQ ANTH 250 OR EQUIV
1 01.00-02.50 T H EC 106 GRIMES JAMES L
01.00 TH H EC 106
415 LOGIC OF SOCIAL SCI 03.0 CR
1 11.00 M W F H EC 106 MCCLURE GEORGE T
CROSS LISTED WITH PHIL 415

465A MUSEUM METHODS 02.0 CR
PREREQ JR STANDING
1 TO BE ARRANGED
470A SP STUDIES WOR LANG 03.0 CR
PREREQ ANTH 413 OR ENG 400
1 11.00 M W F H EC 8E GRIMES
483 INDIV STUDY IN ANTH 01.0 TO 18.0 CR
PREREQ ANTH 250 OR EQUIV
1 03.00 W H EC 106
511 SEM MESO-AMER ARCH 03.0 CR
1 03.00-05.30 M H EC 106 RANDS
520 SEM-NEW WORLD ETH 03.0 CR
1 03.00-05.30 TH H EC 106 CHANDLER
565 SEM CULT CHANGE-DEV 03.0 CR
1 03.00-05.30 W H EC 122A KELLY
567 SEM-ANTH THRY + MET 03.0 CR
PREREQ CONSENT OF DEPT
1 03.00-05.30 T H EC 106 MULLER
575 SEM-INDIVID CULT 03.0 CR
PREREQ CONSENT OF DEPT
1 03.00-05.30 F H EC 106 ALTSCHULER
582 PROB-ARCHAEOLOGY 01.0 TO 27.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
584 PROB-CULTURAL ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
585 READINGS IN ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
596A FIELD METHODS ARCH 03.0 CR
1 TO BE ARRANGED RACKERBY
597 FIELDWORK IN ANTH 01.0 TO 27.0 CR
1 TO BE ARRANGED
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED
600 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED

Applied Science (APS)

323 INTRO COMPUTER SCI 03.0 CR
PREREQ ENGR 222 OR MATH 225 OR MGT 455 AND MATH 111
1 02.00 M W F TECH A 208
401A X-RAY CRYSTALLOGPHY 04.0 CR
1 04.00 M W TECH B 143
03.00-04.50 F TECH B 143
421 PROGRAM LANGUAGES 03.0 CR
PREREQ ENGR 222, MATH 225 OR CONSENT OF INSTRUCTOR
1 04.00 M W F TECH A 222
501A MATERIALS SCIENCE 04.0 CR
1 TO BE ARRANGED
503A PROP-CRYST MATERIAL 04.0 CR
1 TO BE ARRANGED
570 SPECIAL INVESTIGAT 02.0 TO 06.0 CR
1 TO BE ARRANGED
580 SEMINAR 01.0 TO 09.0 CR
1 TO BE ARRANGED
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED JEFFERSON TH AS

Art (ART)

100A SCULPTURE-CRAFTS 04.0 CR
1 08.00-09.50 M W F ALLYN 112 ADDINGTON
2 10.00-11.50 M W F ALLYN 112 ADDINGTON AL N M
100B CRAFTS-SCULPTURE 04.0 CR
1 12.00-01.50 M W F ALLYN 112 BOYSEN BILL
2 02.00-03.50 M W F ALLYN 112 BOYSEN BILL
100C PAINTING-GRAPHICS 04.0 CR
1 04.00-05.50 M W F ALLYN 112 LINK
2 06.00-07.50 PM M WTH ALLYN 112 LINK LAWRENC JCH

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100D  GRAPHICS-DRAWING                    04.0 CR
    1    12.00-01.50      M W  F   ALLYN   106  GREENFIELD SYLVIA R
    2    02.00-03.50      M W  F   ALLYN   106  WILDER
10CE  DRAWING-PAINTING                    04.0 CR
    1    08.00-09.50      M W  F   ALLYN   106  LITTLEFIELD LEE F
    2    10.00-11.50      M W  F   ALLYN   106  WILDER
200A  SCULPTURE                           04.0 CR
      PREREQ   ART 100(ABCDE)
    1    08.00-09.50      M W  F   0549    101  WALSH THOMAS J
    2    10.00-11.50      M W  F   0549    101  WALSH THOMAS J
200B  DRAWING                             04.0 CR
      PREREQ   ART 100(ABCDE)
    1    08.00-10.50       T TH    ALLYN   202  PAULSON ROBERT L
    2    08.00-09.50      M W  F   ALLYN   202  LINK LAWRENCE JOHN
200C  PAINTING                            04.0 CR
      PREREQ   ART 100(ABCDE)
    1    02.00-03.50      M W  F   ALLYN   202  LINK
    2    02.00-04.50       T TH    ALLYN   202  LITTLEFIELD
225A  INTRO TO ART HIST                   03.0 CR
    1    12.00            M W  F   LAWSON  161  COVINTREE
300   ART EDUCATION          02.0 TO 12.0 CR
    1    08.00             T TH    PHY SB  440        WOOD DANNY D
         11.00-12.50       T TH    PULL I  105
    2    08.00             T TH    PHY SB  440        WOOD DANNY D
         02.00-03.50       T TH    PULL I  105
    3    08.00             T TH    PHY SB  440        WOOD DANNY D
         03.00-04.50      M W      PULL I  105
    4    08.00             T TH    PHY SB  440        WOOD DANNY D
         08.00-09.50      M W      PULL I  105
    5    08.00             T TH    PHY SB  440        LAWSON ELNORA
         01.00-02.50      M W      PULL I  105
302A  POTTERY-BEGINNING                   04.0 CR
      PREREQ   12 HRS OF ART 100 SERIES
    1    08.00-10.50       T TH    ALLYN     5     VERGETTE NICHOLAS
    2    08.00-09.50      M W  F   ALLYN     5     BOYSEN
    3    02.00-04.50       T TH    ALLYN     5     VERGETTE NICHOLAS
307   THEORY+PHIL ART ED                  03.0 CR
    1    09.00            M W  F   PULL I  105     ABRAHAMSON ROY E
308   CUR + ADM - ART ED                  03.0 CR
    1    02.00            M W  F   PULL I  105     LAWSON ELNORA
320A  OIL PAINT TECH-BEG                  04.0 CR
      PREREQ   ART 200C
    1    10.00-11.50      M W  F   ALLYN   202  COKEN MICHAEL O
    2    06.00-08.50 PM   M W      ALLYN   202  BETAUDIER PATRICK
332A  JEWELRY +METALSMITH                 04.0 CR
      PREREQ   12 HRS OF ART 100 SERIES
    1    08.00-09.50      M W  F   ALLYN    11  KINGTON
    2    12.00-01.50      M W  F   ALLYN    11  KINGTON
    3    02.00-03.50      M W  F   ALLYN    11  KINGTON
341   DRAWING                02.0 TO 12.0 CR
    1    12.00-01.50      M W  F   ALLYN   202  LITTLEFIELD LEE F
    2    04.00-05.50      M W  F   ALLYN   202  COKEN MICHAEL O
358   PRINTS                 02.0 TO 12.0 CR
    1    02.00-03.50      M W  F   ALLYN   210  KOLDEN
    2    04.00-05.50      M W  F   ALLYN   210  KOLDEN LARRY D
365   ART ED METHODS                      04.0 CR
      PREREQ   ART 100
    1    04.00-05.50      M W  F   PULL I  105  GREENFIELD SYLVIA R
385A  WEAVING - BEGIN                     04.0 CR
      PREREQ   12 HRS OF ART 100 SERIES
    1    02.00-04.50       T TH    0702    101
      RESTRICT TO ART MAJORS
    2    06.00-08.50 PM    T TH    0702    101
393   SCULPTURE              04.0 TO 12.0 CR
      PREREQ   ART 200-12 HRS
    1    08.00-10.50       T TH    0549    101  SULLIVAN MILTON F
    2    02.00-04.50       T TH    0549    101  SULLIVAN
401   RESEARCH PAINTING      02.0 TO 12.0 CR
    1    08.00-09.50      M W  F   0549    101  BERNSTEIN LAWRENCE
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405 STUDIO IN SCULPTURE 02.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 02.00-04.50 T TH 0549 101 SULLIVAN MILT
408 ART ED ELEM TCH II 04.0 CR
PREREQ ART 300
1 03.00-05.50 T TH PULL I 105 LAWSON ELNORA
410 RESEARCH IN PRINTS 02.0 TO 12.0 CR
1 10.00-11.50 M W F ALLYN 210 KOLDEN LARRY
420 RESEARCH POTTERY 02.0 TO 12.0 CR
1 11.00-01.50 T TH ALLYN 5 VERGETTE NICH
430 RES METAL CONSTR 02.0 TO 12.0 CR
1 10.00-11.50 M W F ALLYN 11 KINGTON LOUIS
440 RESEARCH IN WEAVING 02.0 TO 12.0 CR
1 11.00-01.50 T TH 0702 101 GINSBERG RUTH
441 STUDIO IN DRAWING 02.0 TO 12.0 CR
PREREQ ART 341-12 HRS
1 11.00-01.50 T TH ALLYN 202 PAULSON ROBER
460 RESEARCH ART EDUC 02.0 TO 12.0 CR
1 12.00 M W F PULL I 105 ABRAHAMSON RO
482A ART HIST SEM-ANC 03.0 CR
1 TO BE ARRANGED JOHNSON EVERT
483A RES ART HIST-ANC 03.0 CR
1 TO BE ARRANGED COLBERT CHARL
501 SEMINAR PAINTING 02.0 TO 12.0 CR
1 08.00-09.50 M W F 0549 101 BERNSTEIN LAW
504 RESEARCH-SCULPTURE 02.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 02.00-04.50 T TH 0549 101 SULLIVAN MILT
511 SEMINAR IN PRINTS 02.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 10.00-11.50 M W F ALLYN 210 KOLDEN LARRY
520 SEMINAR POTTERY 02.0 TO 12.0 CR
1 11.00-01.50 T TH ALLYN 5 VERGETTE NICL
530 SEMINAR METAL CONST 02.0 TO 12.0 CR
1 10.00-11.50 M W F ALLYN 11 KINGTON LOUI
540 SEMINAR IN WEAVING 02.0 TO 12.0 CR
1 11.00-01.50 T TH 0702 101 GINSBERG RUTH
541 RESEARCH IN DRAWING 02.0 TO 12.0 CR
PREREQ 12 HRS OF ART 300
1 11.00-01.50 T TH ALLYN 202 PAULSON ROBE
566 RESEARCH ART EDUC 02.0 TO 12.0 CR
1 TO BE ARRANGED ABRAHAMSON R
571 READ ART HISTORY 02.0 TO 05.0 CR
PREREQ GRAD STANDING + CONSENT OF INSTR
1 02.00-05.00 F CL 109 COLBERT CHAR
573 PROB-ART HIST 03.0 TO 12.0 CR
1 TO BE ARRANGED SULLIVAN
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED FINK HERBERT

Biology (BIOL)

305 GENETICS-CLAS + MCL 04.0 CR
PREREQ GSA 2018 OR 2100 OR ADVANCED STANDING IN BIOLOGY
1 10.00 M WTHF LS I 323 MYERS + G
306 DEVELOPMENTAL BIOL 04.0 CR
PREREQ GSA 2018 OR 2100 OR ADVANCED STANDING IN BIOLOGY
1 02.00 M WTHF LS I 323 PAPPELIS

Botany (BOT)

300 MORPH NON-VAS PLANT 04.0 CR
PREREQ GSA 2018
1 09.00 T TH 0871 102 TINDALL D
08.00-09.50 W F LS I 307
2 09.00 T TH 0871 102 TINDALL D
10.00-11.50 W F LS I 307
301 MORPH VAS PLANTS 04.0 CR
PREREQ GSA 2018

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  1    01.00            T TH     LAWSCN  121  MATTEN LAWRENCE C
       01.00-02.50      M W      LS I    307
  2    01.00            T TH     LAWSCN  121     MATTEN LAWRENCE C
       03.00-04.50      M W      LS I    307
320  PLANT PHYSIOLOGY                 05.0 CR
      PREREQ   GSA 2C1B, CHEM 350 OR MINOR IN
               CHEM
  1    08.00            M W  F   LS I    323     SCHMID WALTER E
       08.00-09.50       T TH    LS I    311
  2    08.00            M W  F   LS I    323     SCHMID WALTER E
       10.00-11.50       T TH    LS I    311
  3    08.00            M W  F   LS I    323     SCHMID WALTER E
       01.00-02.50       T TH    LS I    311
337  ECOLOGY LABORATORY               02.0 CR
  1    01.00-04.50          F    LS I    307        ANDERSON
390  READINGS - BOTANY       02.0 TO 04.0 CR
      PREREQ   BOT MAJOR AND CONSENT OF INSTR
  1    TO BE ARRANGED
391  SPEC PROB IN BOTANY     02.0 TO 05.0 CR
      PREREQ   BOT MAJOR AND CONSENT OF DEPT
  1    TO BE ARRANGED
392  HONORS IN BOTANY        03.0 TO 21.0 CR
      PREREQ   CONSENT OF DEPARTMENT
  1    TO BE ARRANGED
400  PLANT ANATOMY                    05.0 CR
      PREREQ   BOT 3CC AND 3C1
  1    09.00            M W  F   LS I    315     MATTEN LAWRENCE C
       01.00-03.50      M W      LS I    315     MATTEN LAWRENCE C
405  MYCOLOGY                         05.0 CR
      PREREQ   BOT 3CC
  1    10.00            M W  F    LS II   423     GRAY WILLIAM D
       10.00-11.50       T TH     LS II   423     GRAY WILLIAM D
411  BRYO AND PTERIDO                 04.0 CR
      PREREQ   BOT 3C1
  1    10.00            M W      LS I    315     KAEISER
       10.00-11.50       T TH    LS I    315        KAEISER
425A ADV PLANT PHYSICL                05.0 CR
      PREREQ   BOT 32C, CHEM 350 OR CHEMISTRY
               MINOR
  1    11.00            M W  F   LS I    315     VERDUIN
       01.00-02.50      M W      LS I    311     VERDUIN
440A ADVANCED ECOLOGY                 04.0 CR
      PREREQ   BIOL 3C7 OR CONSENT OF DEPT
  1    08.00              W  F   H EC    206
    LAB WILL MEET ALTERNATE SAT MORNINGS IN
    LS 3C7
  2    08.00              W  F   H EC    206
    LAB WILL MEET ALTERNATE SAT MORNINGS IN
    LS 3C7
449  TAXONOMIC ELEMENTS               03.0 CR
  1    03.00            T        COMM      9     UGENT DONALD
       01.00-04.50        TH     COMM      9     UGENT DONALD
525  CYTOLOGY                         05.0 CR
      PREREQ   BOT 315 OR ZOO 401
  1    03.00            M W  F   0461    101     CLAH
       03.00-04.50       T TH    LS II   404
533  GRO DEV IN PLANTS       03.0 TO 04.0 CR
      PREREQ   BOT 32C OR CONSENT OF INSTR
  1    01.00              T THF   LS I    315
       01.00-02.50        T TH    LS I    311
570  READINGS - BOTANY       02.0 TO 05.0 CR
  1    TO BE ARRANGED
580  SEMINAR                 01.0 TO 04.0 CR
      PREREQ   UNDERGRAD MAJ OR MINOR IN BOT
               OR DEPT CONSENT
  1    TO BE ARRANGED                        PAPPELIS ARISTOTEL J
  2    TO BE ARRANGED                        MCHLENBROCK ROBERT
  3    04.00              W      LAWSCN  101  ANDERSON ROGER
590  INTRO TO RESEARCH       02.0 TO 04.0 CR
  1    TO BE ARRANGED
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591   RESEARCH                    03.0 TO 09.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
599   THESIS                      03.0 TO 09.0 CR
    1    TO BE ARRANGED                                  GRAY
600   DISSERTATION                01.0 TO 36.0 CR
    1    TO BE ARRANGED
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Business Administration (B A)

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500   RES METH + COMMUNIC                      04.0 CR
    1    03.00-04.50          T TH     WHAM     307
501   QUANT DECISIONS                          04.0 CR
    1    01.00-02.50          T TH     WHAM     328
511   ACCOUNTING THEORY                        04.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    08.00-09.50          M W      AG       218
526   MANAGERIAL ECON                          04.0 CR
    1    10.00                M WTHF   LAWSON   221
    CROSS-LISTED WITH ECON526
531   FINANCIAL POLICIES                       04.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    08.00-09.50          T TH     CL        25
540   MGR + ORG BEHAVIOR                       04.0 CR
    1    01.00-02.50          M W      CL        24
542   HIST + THEORY MGT                        04.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    05.45-07.25          M W      CL        24
559   SEMINAR IN MKTG                          04.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    03.00-04.50          M        WHAM     212
         03.00-04.50            W      WHAM     301A
590   INDEPENDENT STUDY                        04.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    TO BE ARRANGED
599   THESIS                    04.0 TO 08.0 CR
       PREREQ   ENROLLMENT IN MBA PROGRAM OR
                CONSENT OF INSTR
    1    TO BE ARRANGED
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Chemistry (CHEM)

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115   INTRO GENERAL CHEM                       05.0 CR
    1    12.00                M T TH   PARK     124
         01.00                  T      PARK     204
         12.00-01.50              W  F   PHY SC   102
    2    12.00                M T TH   PARK     124
         01.00                  T      PARK     204
         12.00-01.50              W  F   PHY SC   104
    3    12.00                M T TH   PARK     124
         01.00                  T      PARK     204
         12.00-01.50              W  F   PHY SC   106
    4    12.00                M T TH   PARK     124
         01.00                    TH     PARK     204
         12.00-01.50              W  F   PHY SC   107
    5    12.00                M T TH   PARK     124
         01.00                    TH     PARK     204
         12.00-01.50              W  F   PARK     108
    6    12.00                M T TH   PARK     124
         01.00                    TH     PARK     204
         12.00-01.50              W  F   PHY SC   109
121A  GEN CHEM-QUAL ANAL                       05.0 CR
       PREREQ   115 CR 1 YR HIGH SCHOOL CHEM
    1    08.00                  T      PARK     204
         09.00                M T TH   PARK     124
         08.00-09.50              W  F   PHY SC   102
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2	08.00	T	PARK	204
	09.00	M T TH	PARK	124
	08.00-09.50	W F	PHY SC	104
3	08.00	T	PARK	204
	09.00	M T TH	PARK	124
	08.00-09.50	W F	PHY SC	106
4	08.00	TH	PHY SC	116
	09.00	M T TH	PARK	124
	08.00-09.50	W F	PHY SC	107
5	08.00	TH	PHY SC	116
	09.00	M T TH	PARK	124
	08.00-09.50	W F	PHY SC	108
6	10.00	M W F	PARK	124
	11.00	W	PARK	204
	10.00-11.50	T TH	PHY SC	102
7	10.00	M W F	PARK	124
	11.00	W	PARK	204
	10.00-11.50	T TH	PHY SC	104
8	10.00	M W F	PARK	124
	11.00	W	PARK	204
	10.00-11.50	T TH	PHY SC	106
9	10.00	M W F	PARK	124
	11.00	F	PHY SC	116
	10.00-11.50	T TH	PHY SC	107
10	10.00	M W F	PARK	124
	11.00	F	PHY SC	116
	10.00-11.50	T TH	PHY SC	108
11	01.00	M W F	PARK	124
	02.00	M	PARK	204
	01.00-02.50	T TH	PHY SC	102
12	01.00	M W F	PARK	124
	02.00	M	PARK	204
	01.00-02.50	T TH	PHY SC	104
13	01.00	M W F	PARK	124
	02.00	M	PARK	204
	01.00-02.50	T TH	PHY SC	106
14	01.00	M W F	PARK	124
	02.00	W	PHY SC	116
	01.00-02.50	T TH	PHY SC	107
15	01.00	M W F	PARK	124
	02.00	W	PHY SC	116
	01.00-02.50	T TH	PHY SC	108
16	03.00	T THF	PARK	124
	04.00	T	PARK	204
	03.00-04.50	M W	PHY SC	102
17	03.00	T THF	PARK	124
	04.00	T	PARK	204
	03.00-04.50	M W	PHY SC	104
18	03.00	T THF	PARK	124
	04.00	T	PARK	204
	03.00-04.50	M W	PHY SC	106
19	03.00	T THF	PARK	124
	04.00	TH	PHY SC	116
	03.00-04.50	M W	PHY SC	107
20	03.00	T THF	PARK	124
	04.00	TH	PHY SC	116
	03.00-04.50	M W	PHY SC	108
21	06.00-07.25 PM	M W	PARK	124
	07.35-08.25 PM	M	PHY SC	116
	06.00-07.50 PM	T TH	PHY SC	102
22	06.00-07.25 PM	M W	PARK	124
	07.35-08.25 PM	M	PHY SC	116
	06.00-07.50 PM	T TH	PHY SC	104
23	06.00-07.25 PM	M W	PARK	124
	07.35-08.25 PM	W	PARK	204
	06.00-07.50 PM	T TH	PHY SC	106
24	06.00-07.25 PM	M W	PARK	124
	07.35-08.25 PM	W	PARK	204
	06.00-07.50 PM	T TH	PHY SC	107

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   25    06.00-07.25 PM   M W       PARK    124
         07.35-08.25 PM     W       PARK    204
         06.00-07.50 PM     T TH    PHY SC  108
235   GEN QUANT ANALYSIS                05.0 CR
       PREREQ   CHEM 121B
    1    01.00             M W  F    PHY SC  218
         01.00-03.50         TH      PHY SC  408
         01.00              T        PHY SC  116
         02.00-03.50        T        PHY SC  408
    2    01.00             M W  F    PHY SC  218
         01.00-03.50         TH      PHY-SC  409
         01.00              T        PHY SC  116
         02.00-03.50        T        PHY-SC  409
305A  ORG CHEM-PRE PROF                05.0 CR
       PREREQ   CHEM 121B
    1    11.00             M W  F    LS I    133
         11.00-01.50         TH      PHY SC  205
         11.00              T        PARK    204
    2    11.00             M W  F    LS I    133
         11.00-01.50         TH      PHY SC  203
         11.00              T        PARK    204
    3    11.00             M W  F    LS I    133
         12.00-02.50             F   PHY SC  205
         11.00              T        PARK    204
    4    11.00             M W  F    LS I    133
         12.00-02.50             F   PHY SC  203
         11.00              T        PARK    204
    5    11.00             M W  F    LS I    133
         11.00-01.50        T        PHY SC  205
         11.00                TH     PARK    204
    6    11.00             M W  F    LS I    133
         11.00-01.50        T        PHY SC  203
         11.00                TH     PARK    204
    7    11.00             M W  F    LS I    133
         06.00-08.50 PM       W      PHY SC  203
         11.00                TH     PARK    204
341A  ORGANIC CHEMISTRY                05.0 CR
       PREREQ   CHEM 121B
    1    08.00             M W  F    LS I    133
         08.00-10.50         TH      PHY SC  203
         08.00              T        PHY SC  116
    2    08.00             M W  F    LS I    133
         08.00-10.50        T        PHY SC  203
         08.00                TH     PHY SC  118
    3    08.00             M W  F    LS I    133
         09.00-11.50       M        PHY SC  203
         08.00              T        PHY SC  116
    4    08.00             M W  F    LS I    133
         06.00-08.50 PM    M        PHY SC  203
         08.00                TH     PHY SC  118
350   BIOLOGICAL CHEM                   04.0 CR
       PREREQ   CHEM 240 OR 305E OR 341C
    1    03.00             M W  F    PARK    204
         02.00-04.50        T        PHY SC  204
    2    03.00             M W  F    PARK    204
         02.00-04.50          TH     PHY SC  204
    3    03.00             M W  F    PARK    204
         12.00-02.50            W    PHY SC  204
375   UNDERGRAD SEMINAR       00.0 TO 02.0 CR
       PREREQ   FOR JUNIORS + SENIORS WITH
                CONCENTRATION IN CHEM
    1    TO BE ARRANGED                                  ARNOLD
411   INTERMED INORG CHEM               04.0 CR
       PREREQ   CHEM 461B
    1    02.00             M TWTH    PHY SC  118
438   REVIEW ANAL CHEM                  03.0 CR
       PREREQ   GRAD STANDING + CONSENT OF
                INSTRUCTOR
    1    03.00             M W  F    PHY SC  218
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446 QUAL ORGANIC ANALY 04.0 CR
PREREQ 235 + 341C OR CONSENT OF INSTR
1 09.00 T TH PHY SC 116
06.00-08.50 PM TW PHY SC 205
451A BIOCHEMISTRY 03.0 CR
PREREQ CHEM 235, 305B OR 341C-MUST BE TAKEN IN SEQUENCE
1 08.00 M W F PARK 204
461A PHYSICAL CHEMISTRY 04.0 CR
PREREQ 235, 12HRS OF PHYSICS PLUS ONE YEAR OF CALCULUS
1 11.00 M W F PHY SC 118
08.00-10.50 TH PHY SC 105
2 11.00 M W F PHY SC 118
08.00-10.50 T PHY SC 105
3 11.00 M W F PHY SC 118
11.00-01.50 TH PHY SC 105
4 11.00 M W F PHY SC 118
11.00-01.50 T PHY SC 105
5 11.00 M T THF PHY SC 218
472A X-RAY CRYSTALLOGRAP 04.0 CR
PREREQ CHEM 461P
1 04.00 M W TECH B 143
03.00-04.50 F TECH B 143
CROSS-LISTED WITH AP S401A
496A CHEM PROB ANALY 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496B CHEM PROB BIOCHEM 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496C CHEM PROB INORGANIC 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496D CHEM PROB ORGANIC 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
496E CHEM PROB PHYSICAL 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR AND DEPT CHAIRMAN
1 TO BE ARRANGED
504 MECH + SYN-ORG CHEM 03.0 CR
PREREQ CHEM 341C
1 09.00 M W F PHY SC 218
511C ADV INORGAN CHEM 03.0 CR
PREREQ CHEM 461C
1 01.00 M W F PHY SC 116
532 INST METH ANALY 03.0 CR
PREREQ CHEM 432 OR SATISFACTORY FIELD EXAM
1 01.00 T TH PHY SC 218
TO BE ARRANGED
539 ADV TOPICS-ANAL 02.0 TO 30.0 CR
PREREQ CHEM 432 AND 531
1 11.00 M W F PHY SC 410
543 ADV ORG CHEM 03.0 CR
PREREQ CHEM 542
1 10.00 M W F PHY SC 218
547 ADV LAB PREPS-ORG 03.0 TO 06.0 CR
PREREQ CHEM 446 AND CONSENT OF INS
1 TO BE ARRANGED
549 ADV TOPICS-ORGANIC 02.0 TO 30.0 CR
PREREQ CHEM 543
1 09.00 M W F PHY SC 118
552 CARBOHYDRATE CHEM 03.0 CR
PREREQ CHEM 451C
1 10.00 M W F PHY SC 118

561 CHEM THERMODYNAMICS 03.0 CR
PREREQ CHEM 461C CR CONSENT OF INSTR
1 03.00 M W F PHY SC 118
569 ADV TOPICS-PHYSICAL 02.0 TO 30.0 CR
PREREQ CHEM 561
1 03.00 M W F PHY SC 116
594A SP READ-CHEM ANALY 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 TO BE ARRANGED
594B SP READ-CHEM BIC 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 TO BE ARRANGED
594C SP READ-CHEM INORG 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 TO BE ARRANGED
594D SP READ-CHEM ORGAN 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 TO BE ARRANGED
594E SP READ-CHEM PHYS 02.0 TO 15.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 TO BE ARRANGED
595A ADV SEM-CHEM ANALY 00.0 TO 09.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 04.00 M PHY SC 218
595B ADV SEM-CHEM BIC 00.0 TO 09.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 04.00 T PHY SC 218
595C ADV SEM-CHEM INORG 00.0 TO 09.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 04.00 W PHY SC 218
595D ADV SEM-CHEM ORGAN 00.0 TO 09.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 04.00 F PHY SC 218
595E ADV SEM-CHEM PHYS 00.0 TO 09.0 CR
PREREQ 24 HRS OF 500 CHEM AND CONSENT OF DIV
1 04.00 TH PHY SC 218
596A ADV CHEM PROB-ANAL 03.0 TO 20.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 07.00-09.50 PM T PHY SC 410
596B ADV CHEM PROB-BIC 03.0 TO 20.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
596C ADV CHEM PROB-INORG 03.0 TO 20.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
596D ADV CHEM PROB-ORGAN 03.0 TO 20.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED ARNOLD
596E ADV CHEM PROB-PHYS 03.0 TO 20.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
597A RES + THESIS-ANAL 03.0 TO 40.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
597B RES + THESIS-BIO 03.0 TO 40.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED
597C RES + THESIS-INORG 03.0 TO 40.0 CR
PREREQ CONSENT OF DEPT CHAIRMAN
1 TO BE ARRANGED

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597D  RES + THESIS-ORGAN      03.0 TO 40.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1     TO BE ARRANGED                                  ARNOLD
597E  RES + THESIS-PHYS       03.0 TO 40.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1     TO BE ARRANGED
598A  RES-DOCTOR  ANALY       03.0 TO 48.0 CR
       PREREQ   M A DEGREE OR EQUIV
    1     TO BE ARRANGED
598B  RES-DOCTOR BIOCHEM      03.0 TO 48.0 CR
       PREREQ   M A DEGREE OR EQUIV
    1     TO BE ARRANGED                                  BEMILLER JAMES N
598C  RES-DOCTOR  INORGAN     03.0 TO 48.0 CR
       PREREQ   M A DEGREE OR EQUIV
    1     TO BE ARRANGED
598D  RES-DOCTOR  ORGANIC     03.0 TO 48.0 CR
       PREREQ   M A DEGREE OR EQUIV
    1     TO BE ARRANGED                                  ARNOLD
598E  RES-DOCTOR  PHYS        03.0 TO 48.0 CR
       PREREQ   M A DEGREE OR EQUIV
    1     TO BE ARRANGED
600A  DISSERT  ANALYTICAL     03.0 TO 48.0 CR
       PREREQ   ADMISSION TO PH D CANDIDACY
    1     TO BE ARRANGED
600B  DISSERT BIOCHEM         03.0 TO 48.0 CR
       PREREQ   ADMISSION TO PH D CANDIDACY
    1     TO BE ARRANGED                                  BEMILLER JAMES N
600C  DISSERT  INORGANIC      03.0 TO 48.0 CR
       PREREQ   ADMISSION TO PH D CANDIDACY
    1     TO BE ARRANGED
600D  DISSERT  ORGANIC        03.0 TO 48.0 CR
       PREREQ   ADMISSION TO PH D CANDIDACY
    1     TO BE ARRANGED                                  ARNOLD
600E  DISSERT   PHYSICAL      03.0 TO 48.0 CR
       PREREQ   ADMISSION TO PH D CANDIDACY
    1     TO BE ARRANGED
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Child and Family (C & F)

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227   FAMILY LIVING                       03.0 CR
    1     09.00          M W  F    H EC    140B
    2     02.00          M W  F    H EC    140B
    3     07.35-09.00 PM M W      H EC    203
237   CHILD DEVELOPMENT                   03.0 CR
    1     01.00          M W  F    H EC    140B
345B  CHILD DEVELOP PRACT                 03.0 CR
    1     04.00            W       H EC    203   PONTON
      3 CONSECUTIVE HOURS 9-12 CR 1-4 M-F TBA
466   PRACT PARENT-CHILD                  02.0 CR
       PREREQ   227 + 237
    1     06.00-07.25 PM     TH     H EC    120
471   FIELD EXPERIENCE        02.0 TO 06.0 CR
       PREREQ   CONSENT OF CHAIRMAN
    1     TO BE ARRANGED
481   READINGS                02.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTR + CHAIRMAN
    1     TO BE ARRANGED
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Cinema and Photography (C & P)

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310   HIST OF STILL PHOTO                 04.0 CR
    1     03.00          M         TECH A  111   HORRELL
          04.00            W       TECH A  111
          03.00-04.50        F     TECH A  111
320   FUND OF STILL PHOTO                 04.0 CR
    1     11.00          M         TECH A  111   SWAY
          09.00            T       AG      170
          10.00-11.50      T       AG      140
    2     11.00          M         TECH A  111   SWAY
          09.00            W       AG      170
          10.00-11.50      W       AG      140
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    3    11.00            M          TECH A   111   SWAY
         09.00               TH      AG       170
         10.00-11.50         TH      AG       140
    4    11.00            M          TECH A   111   GILMORE
         01.00             T        AG       116
         02.00-03.50       T        AG       140
    5    11.00            M          TECH A   111   GILMORE
         01.00               W       AG       188
         02.00-03.50         W       AG       140
    6    11.00            M          TECH A   111   GILMORE
         01.00               TH      AG       152
         02.00-03.50         TH      AG       140
350  INTRO TO CINEMA                    04.0 CR
    1    09.00             T TH       LAWSON   201   DAVIS
         09.00-10.50           F      LAWSON   201
     $5 SCREENING FEE
355  BEGIN FILM PRODUCT                 04.0 CR
    1    10.00             TWTH       0834     113   MERCER
         11.00-12.50       T          0834     104
    2    10.00             TWTH       0834     113   MERCER
         11.00-12.50        W         0834     104
    3    10.00             TWTH       0834     113   MERCER
         11.00-12.50          TH      0834     104
    4    10.00             TWTH       0834     113   MERCER
         11.00-12.50             F    0834     104
403  PORTRAIT PHOTO                     04.0 CR
      PREREQ   322
    1    11.00             TWTH       0834     113   GILMORE
         09.00-10.50      M           AG       142
407  PUBLICATIONS PHOTO                 04.0 CR
      PREREQ   322
    1    02.00             TWTH       0834     113   FERRELL
         01.00-02.50             F    AG       142
421  PERS PHOTO EXPRESS      04.0 TO 08.0 CR
      PREREQ   CONSENT OF DEPT
    1    01.00            M W        0834     113   SWAY
         09.00-10.50             S    AG       140
    2    01.00             T TH       0834     113   SWAY
         11.00-12.50             S    AG       140
456  WORKSHOP-FILM PROD      01.0 TO 06.0 CR
      PREREQ   CONSENT OF DEPT + FILM FILM
               PRODUCTION
    1    TO BE ARRANGED                                    PAINE
458  PROJ-CINEMA + PHOTO     01.0 TO 12.0 CR
      PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
460  HIST SILENT FILM                   04.0 CR
    1    04.00            M          LAWSON   101   MERCER
         04.00-05.50       T TH      LAWSON   101
     SCREENING FEE FIVE DOLLARS
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Clothing and Textiles (C & T)

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127A CLOTHING SELECTION                 02.0 CR
    1    09.00             T TH       H EC     140B RIDLEY SAMANTH SU
127B CLOTHING CONSTRUCT                 02.0 CR
    1    08.00-09.50       T TH       H EC     310
    2    10.00-11.50         TH S     H EC     310
    3    10.00-11.50      M W         H EC     310
    4    02.00-03.50        W  F      H EC     303
    5    05.45-07.25      M           H EC     310
233  PATT DES + CLO CONS                03.0 CR
      PREREQ   C+T 127 OR CONSENT OF CHAIRMAN
    1    10.00-11.50       T TH       H EC     303   BERRY THELMA
    2    03.00-04.50       T TH       H EC     303      BERRY THEL H
304  TEXTILES                           04.0 CR
      PREREQ   CHEM 110 AND 240
    1    10.00            M W  F     H EC     140B PADGETT ROSE
         10.00-11.50       T         H EC     301
    2    10.00            M W  F     H EC     140B PADGETT
         01.00-02.50       T         H EC     301
    3    10.00            M W  F     H EC     140B PADGETT ROSE
         01.00-02.50          TH      H EC     301
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360   TAILORING + CONST                    04.0 CR
       PREREQ   C+T 233 OR CONSENT OF CHAIRMAN
    1    12.00              T TH     H EC     310  RIDLEY SAMANTHA SUE
         01.00-02.50        M W      H EC     310  RIDLEY SAMANTHA SUE
    2    12.00              T TH     H EC     310  RIDLEY SAMANTHA SUE
         08.00-09.50        M W      H EC     310  RIDLEY SAMANTHA SUE
371   FIELD EXPERIENCE                     06.0 CR
       PREREQ   CONSENT OF CHAIRMAN
    1    TO BE ARRANGED
481   READINGS                 02.0 TO 04.0 CR
       PREREQ   CONSENT OF CHAIRMAN
    1    09.00              TWTHF    H EC     203  PADGETT ROSE
572   SPECIAL PROBLEMS         02.0 TO 05.0 CR
    1    TO BE ARRANGED                            PADGETT+BERRY
599   THESIS                   02.0 TO 09.0 CR
    1    TO BE ARRANGED                            PADGETT+BERRY

Design     (DES)
100   DESIGN FUNDAMENTALS      05.0 TO 15.0 CR
    1    TO BE ARRANGED
200   MAT AND BASIC TECH       02.0 TO 06.0 CR
       PREREQ   DES 100
    1    TO BE ARRANGED
215   BASIC P-S DESIGN         04.0 TO 12.0 CR
       PREREQ   DES 100
    1    TO BE ARRANGED
275   BASIC VISUAL DESIGN      04.0 TO 12.0 CR
       PREREQ   DES 100
    1    TO BE ARRANGED
300   MAT AND BASIC TECH       02.0 TO 06.0 CR
       PREREQ   DES 200
    1    07.30-09.30 PM   M          0852     101
345   DESIGN STUDIO            04.0 TO 12.0 CR
    1    TO BE ARRANGED
    2    TO BE ARRANGED
366   P-S DESIGN               05.0 TO 15.0 CR
       PREREQ   DES 200 215 275
    1    TO BE ARRANGED
375   VISUAL DESIGN            05.0 TO 15.0 CR
       PREREQ   DES 200 215 215
    1    TO BE ARRANGED
390   PRIN OF DESIGN                       02.0 CR
    1    07.30-09.30 PM   T          0852     101  PERK HARRY F W
400   MAT + BASIC TECH         00.0 TO 02.0 CR
    1    07.30-09.30 PM   M          0852     101
465F  RES IN P-S DESIGN        05.0 TO 15.0 CR
       PREREQ   12 HRS OF DES 366 OR ITS EQUIV
    1    TO BE ARRANGED
465G  RES IN VISUAL DES        05.0 TO 15.0 CR
       PREREQ   12 HRS OF DES 375 OR ITS EQUIV
    1    TO BE ARRANGED
490F  STUDIO P-S DESIGN        02.0 TO 12.0 CR
    1    TO BE ARRANGED
490G  STUDIO-VISUAL DES        02.0 TO 12.0 CR
    1    TO BE ARRANGED
520   EDUC TOOL SYSTEMS        04.0 TO 10.0 CR
    1    TO BE ARRANGED
530   STUD IN IND PROCESS      04.0 TO 12.0 CR
    1    TO BE ARRANGED
535   RES IN PRODUCT DES       04.0 TO 12.0 CR
    1    TO BE ARRANGED
540   STUDIES IN COMM DES      04.0 TO 12.0 CR
    1    TO BE ARRANGED
545   RES IN COMM DESIGN       04.0 TO 12.0 CR
    1    TO BE ARRANGED
550   FIELD STUDY DESIGN       02.0 TO 16.0 CR
    1    TO BE ARRANGED
560   ENVIRONMENT CONTROL      04.0 TO 12.0 CR
    1    TO BE ARRANGED
599   THESIS                   03.0 TO 09.0 CR
    1    TO BE ARRANGED
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Economics (ECON)

214 ECONOMICS-MACRO 04.0 CR

1	08.00	TWTHF	LAWSON	201	
2	08.00	TWTHF	CL	109	
3	10.00	T THF	WHAM	308	
	10.00	M	LAWSON	231	
4	11.00	TWTHF	LAWSON	221	
5	12.00	M WTHF	WHAM	308	
6	01.00	M W F	LAWSON	101	
	01.00	TH	0720	102	
7	01.00	M WTHF	AG	116	
8	03.00	MT THF	AG	116	
9	05.45-07.25	M W	LAWSON	101	

215 ECONOMICS-MICRO 04.0 CR
PREREQ ECON 214

1	08.00	MTW F	LAWSON	101	
2	09.00	T THF	LAWSON	131	
	09.00	M	LAWSON	221	
3	09.00	MT THF	0871	101	
4	11.00	TWTHF	LAWSON	201	
5	02.00	TWTHF	LAWSON	201	
6	04.00	MT THF	WHAM	308	
7	04.00	MT THF	AG	214	
8	05.45-07.25	T TH	LAWSON	231	

301 ECONOMIC READINGS 01.0 TO 06.0 CR
PREREQ CONSENT OF INSTR + CHAIRMAN

1	TO BE ARRANGED				

308 ECON-BUS STAT I 04.0 CR
PREREQ GSD 11C

1	08.00	M WTHF	LAWSON	131	
2	12.00	M W F	CL	24	
	12.00	TH	0871	101	
3	02.00	T THF	CL	24	
	02.00	M	0861	101	
4	05.45-07.25	M W	LAWSON	231	

310 LABOR PROBLEMS 04.0 CR
PREREQ ECON 215

1	03.00	TWTHF	LAWSON	231	MORRISON

315 MONEY AND BANKING I 04.0 CR
PREREQ ECON 215 OR CONSENT OF INSTR

1	09.00	TWTHF	0875	102	LAYER ROBERT
2	12.00	MTW F	0871	101	HOLLENHORST J CM
3	04.00	MTW F	0875	101	

330 PUBLIC FINANCE 04.0 CR
PREREQ GSB 211A OR ECON 215 OR CONSENT OF INSTR

1	11.00	TWTHF	0862	101	MORRISON V NO

411 COLLECTIVE BARGAIN 04.0 CR
PREREQ ECON 31C OR CONSENT OF INSTR

1	01.00	MTWTH	WHAM	312	EDELMAN MI CN

429 INTERNATIONAL ECON 04.0 CR
PREREQ ECON 215 OR CONSENT OF INSTR

1	02.00	MTWTH	0875	101	

430 REGIONAL ECONOMY 04.0 CR
PREREQ ECON 215

1	09.00	MTW F	WHAM	317	ELLIS

440 INTERMED MICRO THEO 04.0 CR
PREREQ ECON 215 OR CONSENT OF INSTR

1	10.00	TWTHF	0875	101	SCULLY
2	12.00	MTW F	0871	102	MARTINSEK
3	04.00	MTW F	0875	102	ADAMS

441 INTERMED MACRO TH 04.0 CR
PREREQ ECON 214

1	10.00	MTWTH	0871	101	
2	11.00	TWTHF	0871	102	
3	03.00	MTW F	0875	102	HOLLENHORST

465 MATH ECON I 04.0 CR
PREREQ ECON 44C OR CONSENT OF INSTR

1	02.00	M WTHF	WHAM	303	BUNGER BY N M

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467   ECONOMETRICS I                          04.0 CR
       PREREQ   CONSENT OF INSTR
    1    09.00            M T TH     WHAM     312
         09.00              W        COMM    1006
472   DYNAMIC ECONOMICS                       04.0 CR
       PREREQ   ECON 441 CR CONSENT OF INSTR
    1    11.00             TWTHF     WHAM     329
481   COMP ECON SYSTEMS                       04.0 CR
       PREREQ   215 CR CONSENT OF INSTR
    1    01.00              T TH     0871     101     HAITANI KANJI
         01.00               W       WHAM     321
         01.00             M         COMM    1020
500   ECONOMIC SEMINAR        04.0 TO 08.0 CR
       PREREQ   CONSENT OF INSTR
    1    12.00-01.50        T TH     CL       326
501   ECONOMICS READING       01.0 TO 05.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
502   READING IN RES ECON     01.0 TO 06.0 CR
       PREREQ   CONSENT OF FORESTRY DEPT
    1    TO BE ARRANGED
52CA  EC DEV TH + POLICY                      04.0 CR
       PREREQ   ECON 44C AND 441
    1    03.00-04.50      M W       CL         25          BADRE ALBERT
526   MANAGERIAL ECON                         04.0 CR
       PREREQ   ECON 214 + 215 CR 351 OR
                CONSENT OF INSTR
    1    10.00            M WTHF    LAWSON   221
      CROSS-LISTED WITH BA 526
53C   FOR TRADE + FINANCE                     04.0 CR
       PREREQ   ECON 429 CR CONSENT OF INSTR
    1    02.00-03.50        T TH     CL       326
533   PUB FIN THEORY + PR                     04.0 CR
       PREREQ   ECON 330 AND CONSENT OF INSTR
    1    07.35-09.15 PM     T TH     CL        24
542   PRICE THEORY                            04.0 CR
       PREREQ   ECON 44C CR CONSENT OF INSTR
    1    10.00            M W  F    CL        24   MARTINSEK THOMAS A
581   ECON OF WELFARE                         04.0 CR
       PREREQ   ECON 44C CR CONSENT OF INSTR
    1    07.35-09.15 PM   M W       CL        24
599   THESIS                  01.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DOCTORAL DISSERTAT      01.0 TO 48.0 CR
    1    TO BE ARRANGED
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Educational Administration and Foundations (EDAF)

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355   PHILOSOPHY OF EDUC                      04.0 CR
    1    08.00            M TWTH    WHAM     205
    2    08.00              T TH    PULL      38
         08.00              W  F    PULL      43
    3    09.00            M TWTH    WHAM     205
    4    10.00            M TWTH    WHAM     228
    5    11.00            M TWTH    WHAM     208
    6    12.00            M TWTH    WHAM     205
    7    12.00            M TWTH    WHAM     202
    8    02.00            M TWTH    WHAM     228
    9    03.00            M TWTH    LAWSON   131
   10    03.00            M TWTH    WHAM     228
   11    04.00            M TWTH    WHAM     228
   12    05.45-07.25      M W       WHAM     205
   13    05.45-07.25        T TH    WHAM     202
360   SUBCULT IN AMER ED                      04.0 CR
    1    08.00              T THF   WHAM     321
         08.00               W      WHAM     305
431   HIST OF EDUC IN U S                     04.0 CR
    1    06.30-09.00 PM       TH    WHAM     210   VINCCUR SAMUEL M
500   RESEARCH METHODS                        04.0 CR
    1    09.00-11.30              S WHAM     203
    2    09.00-11.30              S WHAM     329
    3    06.30-08.50 PM   M       WHAM     208   BACH JACOB O
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501A  SEMINAR IN EDAD                        04.0 CR
    1    06.30-09.00 PM  M          WHAM    228  EWING PARMER L
502S  SEM COM ED-SOV RLS                     04.0 CR
    1    06.30-09.00 PM     W       WHAM    301B COUNTS GEORGE
503   SEM-PHIL OF EDUC          00.0 TO 04.0 CR
       PREREQ   554 OR EQUIVALENT
    1    TO BE ARRANGED                             LEAN ARTHUR ED
507A  20TH CENTURY + EDUC                    04.0 CR
    1    06.30-09.00 PM      TH     WHAM    328  BRACEWELL + CO
508A  INTERDISCIP SEM ED                     04.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    06.30-09.00 PM  M          WHAM    301B HALL JAMES HER
511A  INTERN PRACTICUM                       04.0 CR
       PREREQ   CONSENT OF THE DEPARTMENT
                ADVISORY COMMITTEE
    1    TO BE ARRANGED
511B  INTERN PRACTICUM                       04.0 CR
       PREREQ   511A
    1    TO BE ARRANGED
511C  INTERN PRACTICUM                       04.0 CR
       PREREQ   511B
    1    TO BE ARRANGED
520A  LEGAL BASIS-AMER ED                    04.0 CR
    1    06.30-09.00 PM      TH     WHAM    321  SASSE
524A  SCHL ADMINISTRATION                    04.0 CR
    1    06.30-09.00 PM  M          WHAM    212  SASSE
533   SCHOOL BUILDINGS                       04.0 CR
    1    06.30-09.00 PM      TH     WHAM    228  NEAL CHARLES I
534A  EDUCATIONAL DATA P      02.0 TO 04.0 CR
    1    06.30-09.00 PM  M          WHAM    329
539   COMMUNITY DEVELOP                      04.0 CR
    1    09.00-11.30           S    WHAM    208
554   CONTRAST PHIL IN ED                    04.0 CR
       PREREQ   355 OR PHIL 355 OR EQUIVALENT
    1    09.00-11.30           S    WHAM    328  LEAN ARTHUR E
556A  SCHOOL SUPERVISION                     04.0 CR
    1    06.30-09.00 PM   T          WHAM    312  ARMISTEAD FRE
560   CURRICULUM                             04.0 CR
    1    06.30-09.00 PM     W       WHAM    329  FISHBACK WOOD
564   SEC S PRINCIPALSHIP                    04.0 CR
       PREREQ   CONSENT OF INSTR
    1    06.30-09.00 PM     W       WHAM    203  ADAMS FRANK C
575A  IND RES CURRICULUM      01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575B  IND RES SUPERVISION     01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575C  IND RES BUILDINGS       01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575D  IND RES FINANCE         01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575E  IND RES SCHOOL LAW      01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575F  IND RES COMPAR EDUC     01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575G  IND RES HIST EDUC       01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575H  IND RES PHIL EDUC       01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
575J  IND RES ADMIN           01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
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576A  READINGS ADM-SUPV          01.0 TO 04.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN AND
                INSTRUCTOR
    1     TO BE ARRANGED
576B  READINGS ADM-SUPV          01.0 TO 04.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN AND
                INSTRUCTOR
    1     TO BE ARRANGED
576C  READINGS ADM-SUPV          01.0 TO 04.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN AND
                INSTRUCTOR
    1     TO BE ARRANGED
589   GEN GRAD SEMINAR           02.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     07.00-09.30 PM  M          H EC     208
      CROSSLISTED WITH PHILOSOPHY
591   SEM-SOC + PHIL FOUN              02.0 CR
       PREREQ   ADVANCED STANDING
    1     10.00-11.50     M          WHAM     301B MCKENZIE WILLIAM R
      OPEN TO FULLY ADMITTEDDOCTORAL STUDENTS
592   DOCT SEM CULT FOUND              04.0 CR
       PREREQ   591
    1     10.00-11.50       T TH     WHAM     301B MCKENZIE WILLIAM R
596   IND INVESTIGATION          05.0 TO 09.0 CR
    1     TO BE ARRANGED
597   THESIS                     01.0 TO 03.0 CR
    1     TO BE ARRANGED
598   THESIS                     01.0 TO 03.0 CR
    1     TO BE ARRANGED
599   THESIS                     01.0 TO 03.0 CR
    1     TO BE ARRANGED
600   DISSERTATION               01.0 TO 48.0 CR
    1     TO BE ARRANGED
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Elementary Education (ELED)

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100   INTRO TO ELEM EDUC                03.0 CR
    1     08.00            M  W  F     WHAM     210      REUSCH
    2     09.00            M  W        WHAM     112      FOSKIN
          09.00                  F     WHAM     206
    3     12.00            M  W  F     WHAM     210   LIU PATRICIA P
    4     01.00            M           WHAM     112
          01.00               W        WHAM     201
          01.00                  F     WHAM     206
    5     02.00            M  W  F     WHAM     210   BRADFIELD LUTHER E
    6     03.00            M  W  F     WHAM     210
101   DEVEL RDING-LRN SKL               02.0 CR
    1     08.00            M  W  F     WHAM     114
    2     08.00             T TH S     WHAM     114
    3     09.00            M  W  F     WHAM     114
    4     10.00            M  W  F     WHAM     114
    5     10.00             T TH S     WHAM     114
    6     11.00             T TH S     WHAM     114
    7     11.00            M  W  F     WHAM     114
    8     12.00            M  W  F     WHAM     114
    9     01.00            M  W  F     WHAM     114
   10     02.00            M  W  F     WHAM     114
   11     03.00            M  W  F     WHAM     114
   12     04.00            M  W  F     WHAM     114
203   UNDRSTD EL SCH CHLD               03.0 CR
       PREREQ   GSB 201C
    1     02.00             T TH       WHAM     210
    2     03.00             T TH       WHAM     210
      BLOCK COURSE FOR FIELDEXP.SEE FOOTNOTE
      BELOW
    3     03.00               W  F     WHAM     201
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203, Sections 1 or 2 Block Program: Students must leave Monday free for participation in the school and must take EL ED 314, Sections 4 or 5; ELED 411; ELED 431; and GUID 305, Section 1, 8:00

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305   KIND-PRIM SOC STUD                    03.0 CR
       PREREQ   316
    1    01.00            MTWTH     WHAM     206  ZIMNY BILLIE
    2    03.00            MTWTH     WHAM     206  ZIMNY BILLIE
    3    06.30-09.00 PM     TH      WHAM     326
314   ELEM SCHOOL METHODS                   04.0 CR
       PREREQ   GUID 305
    1    08.00            MTWTH     WHAM     203
    2    09.00            MTWTH     WHAM     203  EROC ERNEST E
    3    09.00             TWTHF    WHAM     303     RANDOLPH
    4    10.00             TWTH     WHAM     206     LINDBERG
         10.00                F     WHAM     202
      BLOCK COURSE FOR FIELDEXP SEE FOOTNOTE
      BELOW
    5    11.00             TWTH     WHAM     203  LINDBERG DORM EE
         11.00                F     WHAM     319
      BLOCK COURSE FOR FIELDEXP SEE FOOTNOTE
      BELOW
    6    02.00            MTWTH     WHAM     206  RANDOLPH
    7    06.30-09.00 PM    T        WHAM     206     RANDOLPH
    8    06.30-09.00 PM     W       WHAM     228
      SECTS 1-8 FOR 314 ELEDMAJORS ONLY
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314, Sections 4 or 5 Block Program: Students must leave Mondays free for participation in the school and must take ELED 203, Sections 1 or 2; ELED 411; ELED 431; and GUID 305, Section 1, 8:00

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316   KINDER PRIMARY METH                   04.0 CR
       PREREQ   GUID 305
    1    09.00            MTWTH     WHAM     206  BAKER REBECCA
337   READING IN ELEM SCH                   04.0 CR
       PREREQ   314
    1    09.00            MTWTH     WHAM     210  RAGSDALE TED
    2    10.00            MTWTH     WHAM     210
    3    11.00            MTWTH     WHAM     206  RANDOLPH VICT
    4    01.00            MTWTH     WHAM     210  RAGSDALE TED
    5    02.00            MTWTH     WHAM     203
    6    06.30-09.00 PM    M        WHAM     203  FISHC
      SECTS. 1-6 FOR EL ED MAJORS ONLY
350   KIND PRI STUD TCH        04.0 TO 16.0 CR
    1    TO BE ARRANGED
351   EL STUDENT TCH           04.0 TO 16.0 CR
    1    TO BE ARRANGED
      GENERAL
    2    TO BE ARRANGED
      ART
    3    TO BE ARRANGED
      EMH
    4    TO BE ARRANGED
      MUSIC
    5    TO BE ARRANGED
      PE
    6    TO BE ARRANGED
      PH
    7    TO BE ARRANGED
      SP C
    8    TO BE ARRANGED
      SP ED
375   READINGS IN EL ED        02.0 TO 03.0 CR
    1    TO BE ARRANGED                        SLOAN FRE A J
411   SEM - INSTRUCTION        02.0 TO 04.0 CR
    1    TO BE ARRANGED                        HEINZ CHARLE
      BLOCK COURSE FOR FIELDEXP-SEE FOOTNOTE
       BELOW 314
413   CHILDRENS LIT                         04.0 CR
       PREREQ   GUID 305
    1    10.00            MTWTH     WHAM     208  MATTHIAS MAR RET
    2    11.00            MTWTH     WHAM     210  MATTHIAS MAR RET
415   IMPR ARITH ELEM SCH      02.0 TO 04.0 CR
       PREREQ   MATH 210 OR CONSENT OF INSTR
    1    10.00             TWTHF    WHAM     203  BEATTIE IAN
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    2    06.30-09.00 PM    1        WHAM     210  BEATTIE IAN D
431  ED FOR DISADV CHILD      02.0 TO 04.0 CR
       PREREQ   337
    1    TO BE ARRANGED                           SLOAN FRED A JR
       BLOCK COURSE FOR FIELD EXP-SEE FOOTNOTE
       BELOW 314
442  TEACH EL SCH SCI                 04.0 CR
    1    10.00            MTWTH     PULL     304  TOMERA AUDREY N
    2    01.00            MTWTH     PULL     304  TOMERA AUDREY N
    3    06.30-09.00 PM     TH      PULL     304     HUNGERFORD HAROLD
    4    06.30-09.00 PM     W       PULL     304  HUNGERFORD
505  READING IN ELEM SCH              04.0 CR
    1    06.30-09.00 PM    1        WHAM     203     BROD ERNEST E
507  READINGS IN READING      02.0 TO 04.0 CR
       PREREQ   505 AND CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                           HILL MARGARET
509  PRACTICUM IN READ        04.0 TO 08.0 CR
       PREREQ   521A,B,AND C, + CONSENT OF
                INSTRUCTOR
    1    TO BE ARRANGED                           FISHOC DANIEL T
516  INTERN IN READING        04.0 TO 12.0 CR
       PREREQ   521A, B, AND C, + CONSENT OF
                INSTRUCTOR
    1    TO BE ARRANGED                           HILL
519  READINGS-ELEM MATH       02.0 TO 04.0 CR
       PREREQ   415, 515
    1    TO BE ARRANGED                           BEATTIE IAN D
520  DIAG ELEM MATH DISA              04.0 CR
       PREREQ   515 OR CONCURRENT REGISTRATION
    1    TO BE ARRANGED                           BEATTIE IAN D
521A DIAG-COR READ DISAB              04.0 CR
       PREREQ   505, OR CONCURRENT REGISTRAT.,
                AND TEACHING EXPER.
    1    TO BE ARRANGED                           FISCHO
       TCHR CORPS ONLY
542  LANG ARTS IN EL SCH      01.0 TO 04.0 CR
    1    06.30-09.00 PM    M        WHAM     210  RAGSDALE TED R
560  KIND-PRI ED                      04.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    06.30-09.00 PM     W       WHAM     206  BAKER REBECCA E
561  ELEM SCH CURR                    04.0 CR
    1    06.30-09.00 PM    M        WHAM     201     LINDBERG
575A IND RES CURRICULUM       02.0 TO 04.0 CR
    1    TO BE ARRANGED                           LEE J MURRAY
575B IND RES SUPERVISION      02.0 TO 04.0 CR
    1    TO BE ARRANGED                           BRADFIELD LUTHER E
575C IND RES LANG ARTS        02.0 TO 04.0 CR
    1    TO BE ARRANGED                           RAGSDALE TED R
575D IND RES SCIENCE          02.0 TO 04.0 CR
    1    TO BE ARRANGED                           NEWPORT
575E IND RES READING          02.0 TO 04.0 CR
    1    TO BE ARRANGED                           FISHOC DANIEL T
575F IND RES SOC STUD         02.0 TO 04.0 CR
    1    TO BE ARRANGED                           RANDOLPH VICTOR
575G IND RES ELEM ED          02.0 TO 04.0 CR
    1    TO BE ARRANGED                           SLOAN FRED A JR
575H IND RES ARITHMETIC       02.0 TO 04.0 CR
    1    TO BE ARRANGED                           BEATTIE IAN D
575J IND RES PROB IN K-P      02.0 TO 04.0 CR
    1    TO BE ARRANGED                           BAKER REBECCA E
596  INDEPENDENT INVEST       05.0 TO 09.0 CR
    1    TO BE ARRANGED
599  THESIS                   03.0 TO 09.0 CR
    1    TO BE ARRANGED
600  DISSERTATION             01.0 TO 48.0 CR
    1    TO BE ARRANGED                           LEE J MURRAY
    2    TO BE ARRANGED                           HILL
    3    TO BE ARRANGED                           SLOAN
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Engineering (ENGR)

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100  ORIENTATION                      02.0 CR
    1    04.00            1        TECH A   111
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222   DIGITAL COMP PRCG                    03.0 CR
       PREREQ   MATH 111B
    1    09.00              T TH     TECH A  111
         12.00            M W        WHAM     24
    2    09.00              T TH     TECH A  111
         12.00              T TH     WHAM     24
    3    09.00              T TH     TECH A  111
         04.00            M W        WHAM     24
    4    09.00              T TH     TECH A  111
         04.00              T TH     WHAM     24
    5    09.00              T TH     TECH A  111
         05.00            M W        WHAM     24
    6    09.00              T TH     TECH A  111
         05.00              T TH     WHAM     24
    7    09.00              T TH     TECH A  111
         04.00            M W        WHAM     24
    8    09.00              T TH     TECH A  111
         04.00            M W        WHAM     24
    9    09.00              T TH     TECH A  111
         12.00            M W        WHAM     24
   10    09.00              T TH     TECH A  111
         12.00              T TH     WHAM     24
   11    09.00              T TH     TECH A  111
         05.00            M W        WHAM     24
   12    09.00              T TH     TECH A  111
         05.00              T TH     WHAM     24
260A  ANAL MECHANICS                       03.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN
                MATH 15CB
    1    09.00            M W  F     TECH A  210
    2    11.00            M W  F     TECH A  210
    3    06.00-07.25 PM   M W        TECH D  131
260C  ANAL MECHANICS                       03.0 CR
       PREREQ   ENGR 26CB
    1    1C.00            M W  F     TECH A  410
30CA  THERMODYNAMICS                       03.0 CR
       PREREQ   MATH 252A
    1    08.00            M W  F     TECH D  131
    2    1C.00            M W  F     TECH D  131
311A  PROPERTIES OF MAT                    03.0 CR
       PREREQ   260C + MATH 252B
    1    1C.00              T TH     TECH A  208
         02.00-04.50      M          TECH D   14
    2    1C.00              T TH     TECH A  208
         06.00-08.50 PM   M          TECH D   14
313A  FLUID MECHANICS                      03.0 CR
       PREREQ   ENGR 26CC
    1    09.00            M W  F     TECH D   14A
    2    02.00            M W  F     TECH D   14A
335   ELECTRICAL CIRCUITS                  04.0 CR
       PREREQ   MATH 252A
    1    08.00            MTW  F     TECH A  222
336   INTRO TO ELECTRONIC                  04.0 CR
       PREREQ   ENGR 335
    1    11.00            M W  F     TECH A  410
         02.00-04.50        TH       TECH D  108
413A  INTER MECH OF FLUID                  03.0 CR
       PREREQ   ENGR 313A, B, MATH 305A
    1    08.00            M W  F     TECH D   14A
415A  WATER QUALITY CONTR                  03.0 CR
       PREREQ   CHEM 121B + MATH 150 OR EQUIV
    1    01.00            M W  F     TECH B   42
416A  AIR POLLUT CONTROL                   03.0 CR
    1    02.00            M W  F     TECH B   42
417   DYN-COMPR FLUID FLC                  03.0 CR
       PREREQ   ENGR 313 AND 3CCB
    1    TC BE ARRANGED
43C   SPECIAL PROBLEMS        02.0 TO 08.0 CR
       PREREQ   CONSENT OF INSTR
    1    TC BE ARRANGED
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432   ANALOG COMP-ENG DES                    03.0 CR
       PREREQ   MATH 305A
    1    09.00          M W        TECH D  116
         08.00-10.50      TH       TECH D  116
439A  TRANSIENT AN+NWK TH                    03.0 CR
       PREREQ   ENGR 336
    1    01.00          M W  F     TECH A  410
441   INT MECH OF VIBRAT                     03.0 CR
       PREREQ   ENGR 260C + MATH 305A
    1    TO BE ARRANGED
447   INT MECH-MAT+STRUCT                    03.0 CR
       PREREQ   ENGR 311A
    1    TO BE ARRANGED
448   EXPER STRESS ANALYS                    04.0 CR
       PREREQ   ENGR 311A
    1    02.00          M W  F     TECH D   12
450   FUND REACTIVE SYST                     04.0 CR
       PREREQ   CHEM 121B + ENGR 300A OR
                CONSENT OF INSTRUCTOR
    1    08.30-12.00          S    TECH B   42
462A  METHODS-STRUCT ANAL                    03.0 CR
       PREREQ   ENGR 311A
    1    TO BE ARRANGED
463A  INTRO INSTRUMENT                       03.0 CR
       PREREQ   ENGR 336
    1    01.00          T TH       TECH A  410
         06.00-08.50 PM   W        TECH D  108
480A  ENGR PROCESS DESIGN                    03.0 CR
       PREREQ   ENGR 313A, 300A, B
    1    TO BE ARRANGED
510A  ELECTROMAG FIELDS                      03.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
511A  QUANTUM ELECTRONICS                    03.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
513   MECH VISCOUS FLUIDS                    03.0 CR
       PREREQ   ENGR 413A,B,OR CONSENT OF INST
    1    TO BE ARRANGED
516A  WATER RESOURCES                        04.0 CR
    1    TO BE ARRANGED
517A  ANAL-DES OF SYSTEMS                    04.0 CR
       PREREQ   GRAD STANDING
    1    TO BE ARRANGED
520A  REACTION ENGR                          03.0 CR
       PREREQ   ENGR 420 OR CONSENT OF INSTR
    1    TO BE ARRANGED
570   SPECIAL INVESTIGAT        02.0 TO 06.0 CR
    1    TO BE ARRANGED
580   SEMINAR                   01.0 TO 09.0 CR
    1    TO BE ARRANGED
599   THESIS                    01.0 TO 09.0 CR
    1    TO BE ARRANGED
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Engineering Technology (ET)

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100   ORIENTATION                            00.0 CR
    1    04.00          T          TECH A  111
102A  GRAPHIC COMMUNICAT                     03.0 CR
    1    10.00            W        TECH A  111
         08.00-09.50    T   F      TECH A  209
    2    10.00            W        TECH A  111
         08.00-09.50    T   F      TECH A  219
    3    10.00            W        TECH A  111
         10.00-11.50    T   F      TECH A  209
    4    10.00            W        TECH A  111
         10.00-11.50    T   F      TECH A  219
    5    10.00            W        TECH A  111
         08.00-09.50    M   TH     TECH A  209
    6    10.00            W        TECH A  111
         08.00-09.50    M   TH     TECH A  219
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    7     10.00                W        TECH A  111
          10.00-11.50      M   TH       TECH A  209
    8     10.00                W        TECH A  111
          10.00-11.50      M   TH       TECH A  219
    9     03.00                W        TECH A  111
          01.00-02.50      M   TH       TECH A  209
   10     03.00                W        TECH A  111
          01.00-02.50      M   TH       TECH A  219
   11     03.00                W        TECH A  111
          03.00-04.50      M   TH       TECH A  209
   12     03.00                W        TECH A  111
          03.00-04.50      M   TH       TECH A  219
   13     03.00                W        TECH A  111
          06.00-07.50 PM   M   TH       TECH A  209
   14     03.00                W        TECH A  111
          01.00-02.50        T   F      TECH A  209
102B  GRAPHIC COMMUNICAT                    03.0 CR
       PREREQ   E T 10CA
    1     11.00                  TH       TECH A  111
          10.00-11.50      M     F       TECH A  207
    2     11.00                  TH       TECH A  111
          01.00-02.50      M     F       TECH A  207
    3     11.00                  TH       TECH A  111
          03.00-04.50      M     F       TECH A  207
26CA  STATICS + DYNAMICS                    03.0 CR
       PREREQ   MATH 15CE CONCURRENT
    1     08.00            M W  F       TECH A  208
    2     03.00            M W  F       TECH A  208
26CC  STATICS + DYNAMICS                    03.0 CR
       PREREQ   E T 26CB
    1     10.00              T TH S     TECH D  131
303A  ELECTRONIC TECH                       03.0 CR
       PREREQ   E T 30CB
    1     09.00            M W          TECH A  111
          06.00-08.50 PM   M            TECH D  106
    2     09.00            M W          TECH A  111
          02.00-04.50          F        TECH D  106
    3     09.00            M W          TECH A  111
          06.00-08.50 PM       TH       TECH D  106
304A  ELECTRICAL CIRCUITS                   03.0 CR
       PREREQ   MATH 15CB OR CONCURRENT
                ENROLLMENT
    1     09.00            M W          TECH A  208
          06.00-07.50 PM       TH       TECH D  104
    2     10.00              T TH       TECH A  222
          01.00-02.50          W        TECH D  104
    3     11.00            M W          TECH A  322
          09.00-10.50        T          TECH D  104
304C  ELECTRICAL CIRCUITS                   03.0 CR
       PREREQ   E T 304B AND MATH 225A
    1     01.00              T TH       TECH D  104
          02.00-04.50        T          TECH D  104
308A  MACHINE DESIGN                        03.0 CR
       PREREQ   E T 26C
    1     08.00            M W  F       TECH A  322
310A  CONST MECHANICS                       03.0 CR
       PREREQ   E T 26C
    1     12.00            M W  F       TECH A  410
311A  STRENGTH-MATERIALS                    03.0 CR
       PREREQ   E T 26CB
    1     08.00            M W          TECH A  111
          09.00-11.50        T          TECH D   14
    2     08.00            M W          TECH A  111
          09.00-11.50            F      TECH D   14
    3     08.00            M W          TECH A  111
          06.00-08.50 PM       TH       TECH D   14
313A  EL HEAT POWER                         04.0 CR
       PREREQ   MATH 15CA
    1     09.00            M T THF      TECH A  422
    2     01.00            M T THF      TECH A  422
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314A  SOIL MECHANICS                          03.0 CR
       PREREQ   E T 311B
    1    03.00              M W       TECH A  222
         09.00-11.50              S    TECH D   12A
    2    03.00              M W       TECH A  222
         09.00-11.50           TH     TECH D   12A
315   EL STRUCTURAL ANALY              03.0 CR
       PREREQ   ET 311B
         09.00              M W  F    TECH A  320
318A  HYDRAULICS                      03.0 CR
       PREREQ   E T 26CC
    1    10.00              M W  F    TECH D   14A
    2    01.00              M W  F    TECH D   14A
332A  ELECT MACHINERY                 03.0 CR
       PREREQ   E T 3C4B
    1    11.00               T TH     TECH A  222
         06.00-09.00 PM       W       TECH A  122
    2    11.00               T TH     TECH A  222
         02.00-04.50          M        TECH D  122
    3    11.00               T TH     TECH A  222
         02.00-04.50           TH     TECH D  122
336A  ELECTRICAL MEAS                 03.0 CR
       PREREQ   E T 3C4
    1    10.00              M W       TECH A  208
         02.00-04.50          W       TECH D  106
    2    10.00              M W       TECH A  208
         06.00-08.50 PM       T       TECH D  106
340   MECHANISMS                      04.0 CR
       PREREQ   E T 26CC
    1    12.00              MT THF    TECH A  308
342   TECHNOLOGY DESIGN               03.0 CR
       PREREQ   SR STANDING
    1    02.00              M W  F    TECH A  308
363A  SURVEYING                       04.0 CR
       PREREQ   MATH 111B, E T 102B
    1    12.00               T TH     TECH A  111
         09.00-11.50         T TH     TECH A  319
    2    12.00               T TH     TECH A  111
         02.00-04.50         T TH     TECH A  319
    3    12.00               T TH     TECH A  111
         09.00-11.50        M W       TECH A  319
426A  PHOTOGRAMMETRY                  03.0 CR
       PREREQ   E T 363 OR CONSENT OF INSTR
    1    04.00              M W  F    TECH A  319
430   SPECIAL PROBLEMS        02.0 TO 08.0 CR
       PREREQ   CONSENT OF COORDINATOR
    1    TO BE ARRANGED
437A  IND ELECT AND COMM              03.0 CR
       PREREQ   E T 3C4
    1    09.00               T TH     TECH A  208
         02.00-04.50         T        TECH D  106
    2    09.00               T TH     TECH A  208
         09.00-11.50              F    TECH D  106
465A  INDUSTRIAL SAFETY               04.0 CR
       PREREQ   JR STANDING
    1    10.00              MT THF    TECH A  422
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English (ENG)

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105A  ENG COMP-FOREIGN ST             03.0 CR
       PREREQ   EQUIVALENT TO GSD 101-LIMITED
                TO FOREIGN STUDENTS
    1    08.00              M  THF    WHAM    137
         08.00               T        0720    102
    2    08.00              M  THF    H EC    122A
         08.00               T        0720    102
    3    08.00               T        0720    102
         09.00              M  TH     0720    106
         09.00                    F   WHAM    203
    4    09.00              M  THF    TECH A  120
         08.00               T        0720    102
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105B ENG COMP-FOREIGN 03.0 CR
PREREQ EQUIVALENT TO GSD 102-LIMITED TO FOREIGN STUDENTS

1	03.00	M T	F	H EC	122A
	04.00		W	H EC	206
2	04.00	M T	F	H EC	122A
	04.00		W	H EC	206

300A GRAMMATICAL ANAL 03.0 CR

1	10.00	M T	TH	H EC	208
2	12.00	M	WTH	0720	107
3	01.00	M	W F	H EC	104
4	02.00	M T	TH	WHAM	321
5	04.00	M	W F	WHAM	203

300B GRAMMATICAL ANAL 03.0 CR
PREREQ ENG 300A

1	09.00	M		0720	105
	09.00		T TH	0720	117
2	11.00	M	W F	WHAM	321
3	04.00	M T	TH	0720	102

302A ENG LIT TO 155C 04.0 CR
PREREQ REQUIRED OF STUDENTS WITH CONCENTRATION IN ENG

1	09.00	M T	THF	PULL	41
2	12.00	M T	THF	0720	105
3	03.00	M	WTHF	0720	117
4	07.35-09.15 PM	M	W	H EC	122

302B ENG LIT 1550-175C 04.0 CR
PREREQ REQUIRED OF STUDENTS WITH CONCENTRATION IN ENG

1	09.00	M	WTHF	WHAM	329
2	11.00	M T	THF	AG	152
3	01.00	M T	F	H EC	201
	01.00		TH	H EC	203

302C ENG LIT-AFTER 175C 04.0 CR
PREREQ REQUIRED OF STUDENTS WITH CONCENTRATION IN ENG

1	10.00	M T	THF	H EC	122
2	02.00	M		0720	101
	02.00		T TH	0720	117
	02.00		F	0720	118
3	03.00	M T	THF	0720	116

309A AMER LIT-TO 1860 04.0 CR

1	08.00	M T	F	H EC	201
	08.00		TH	0720	105
2	09.00	M T	THF	WHAM	321
3	02.00	M T	THF	CL	25

309B AMER LIT-SINCE 1860 04.0 CR

1	02.00	M T	THF	0720	117
2	02.00	M T	THF	LSII	450

309C AM LIT 1914-PRESENT 04.0 CR

1	01.00	T	F	0721	101
	01.00	M	TH	0720	103
2	04.00	M T	THF	0720	106
3	05.45-07.25	T	TH	0720	106

390 ADVANCE COMPOSITION 03.0 CR
PREREQ C AVERAGE IN GSC 101, 102 AND GSC 103

1	09.00	M	W F	AG	152
2	10.00	M	W	0720	101
	10.00		TH	0720	107
3	11.00	M	W F	PHY SC	278
4	02.00	M	W F	TECH A	120
5	03.00	M T	TH	0720	114
6	04.00	M	W F	WHLR	203

400 INTRO-STRUCT LINGUI 04.0 CR

1	10.00	M T	THF	0720	102
2	01.00	M	TH	0720	105
	01.00		T F	0720	109

SEC 2 FOR ENGLISH MAJORS ONLY-NO M.A.E.F.L.

3	03.00	M T	THF	0720	109

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404A  MID ENG LIT-EX CHAL                    04.0 CR
    1     12.00            M T THF   0720     109
407A  ARTICULATORY PHONET                    04.0 CR
       PREREQ   ENG 400 OR ITS EQUIVALENT
    1     11.00            M T THF   0720     114  REDDEN JAMES E
    2     02.00            M T THF   0720     103
412A  16C ENG LIT-NON DR                     04.0 CR
       PREREQ   MAY BE TAKEN SINGLY
    1     09.00            M T THF   0720     104  PATTON THOMAS J
412B  17C ENG LIT-NON DR                     04.0 CR
       PREREQ   MAY BE TAKEN SINGLY
    1     03.00            M T THF   0720     108     SIMEINE
412C  AGE OF DRYDEN                          04.0 CR
       PREREQ   MAY BE TAKEN SINGLY
    1     09.00            M T THF   0720     102  VIETH DAVID
420A  AMER POET - TO 1900                    04.0 CR
       PREREQ   MAY BE TAKEN SINGLY
    1     01.00            M T THF   0721     102
421A  ENG POET-EARLY RCM                     04.0 CR
    1     04.00            M T THF   0720     103  GOODIN GEORGE V
431A  AM WRIT 1620-1800                      04.0 CR
    1     11.00            M T THF   0720     104  STIBITZ E EARLE
438   BACKGROUND AMER LIT                    04.0 CR
    1     12.00            M T THF   0721     101  STIBITZ E EARLE
454A  ENG FICT-18C NOVEL                     04.0 CR
    1     12.00            M T THF   0721     102  SCHONHORN MANUEL
454B  ENG FICT-VICT NOVEL                    04.0 CR
    1     08.00            M T THF   0721     102  PARTLOW ROBERT B JR
454C  ENG FICT-CONTEMP BR                    04.0 CR
    1     01.00            M T THF   WHAM     319  BOYLE TED EUGENE
456   MODERN CONT FICT                       04.0 CR
    1     02.00            M         H EC     118  RAIZIS BYRON M
          02.00             T THF    H EC     122
458B  AMER FICT - CONTEMP                    04.0 CR
    1     02.00            M T THF   0721     102
460A  BRIT DRAMA-ELIZABTH                    04.0 CR
    1     09.00            M T THF   H EC     122  BROWN WILLIAM J
471A  SHAKESPEARE                           04.0 CR
    1     10.00            M T THF   0721     102  SCHULTZ HOWARD
471B  SHAKESPEARE                           04.0 CR
    1     11.00            M T THF   0720     109  BROWN WILLIAM J
    2     05.45-07.15      M W       0721     102     DONOW
485   PROB TEACH ENG /P/                     04.0 CR
    1     08.00            M T THF   0721     101  APPLEBY BRUCE C
    2     01.00-02.50      M W       0721     101  EVANS WILLIAM H
492B  PROFESSIONAL WRI II                    04.0 CR
       PREREQ   ENGLISH 392
    1     03.00-04.50       T TH     0720     105  KINSELLA THOMAS
494   LIT IN SOCIETY                         04.0 CR
    1     03.00-04.50      M W       0720     105  DUNCAN HUGH DALZIEL
495B  LIT CRITICISM-MOD                      04.0 CR
    1     08.00            M T THF   0720     118  RUDNICK HANS-H
497A  HONORS  ENGLISH                        04.0 CR
       PREREQ   DEPARTMENTAL APPROVAL REQUIRED
    1     11.00            M T THF   0720     108  LAWSON RICHARD
      TOPIC FAULKNER
497B  HONORS  ENGLISH                        04.0 CR
       PREREQ   DEPARTMENTAL APPROVAL REQUIRED
    1     10.00            M T   F   H EC     201     RUDNICK
          10.00               TH     H EC     206
      TOPIC DRAMATIC THEORIES
497C  HONORS  ENGLISH                        04.0 CR
    1     TO BE ARRANGED                              LAWSON RICHARD
499   READINGS IN ENGLISH     02.0 TO 06.0 CR
       PREREQ   NO MORE THAN 4HRS MAY BE TAKEN
                IN ANY ONE QUARTER
    1     TO BE ARRANGED                              LAWSON RICHARD
500   M + M ENG RESEARCH                     02.0 CR
    1     08.00            M W       0720     103  RAINBOW RAYMOND S JR
    2     08.00             T TH     0720     101  RAINBOW RAYMOND S JR
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501   OLD ENGLISH GRAMMAR                  04.0 CR
    1    09.00          MTWTH    H EC     122A RAINBOW
514A  RESTORATION LIT          04.0 TO 08.0 CR
    1    07.35-09.15 PM   T TH    0721     102  VIETH
      TOPIC DRYDEN
519   STUD CONT BRIT LIT       04.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1    01.00-02.50      T TH    WHAM     212  EPSTEIN EDMUN L
520   STUD ROM WRITERS         04.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1    10.00            M  TH   H EC     122A BENZIGER JAME G
      TOPIC ROMANTIC THEORY + THEORIES OF
      ROMANTICISM
534   STUD EAR 19C AM WR       04.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1    01.00-02.50      M W     H EC     122  WEBB HOWARD W R
      MELVILLE-TOPIC
538   PROB IN AM LIT           04.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1    10.00-11.50       T   F  H EC     122A
540   STUDIES-LINGUISTICS      02.0 TO 08.0 CR
       PREREQ   ENG 400 OR EQUIVALENT, CONSENT
                OF INSTRUCTOR
    1    11.00          MT THF   0721     102
566   STUD IN SHAKESPEARE      04.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1    08.00          MTWTH    WHAM     301B BALDWIN T W
579A  STUDIES IN MOD LIT       04.0 TO 08.0 CR
       PREREQ   CONSENT OF DEPT
    1    03.00-04.50      M    F   0721     102  MOORE
      TOPIC D.H.LAWRENCE
581A  COMP IN HIGH SCHOOL              04.0 CR
       PREREQ   CONSENT OF DEPT
    1    06.00-09.00 PM   M         WHAM     312
585   TEACHING COL COMP                02.0 CR
    1    09.00              W       LAWSON   201
    2    02.00            T   F     0720     109
588A  METH ENG FOR LANG                03.0 CR
    1    10.00          MT THF    WHAM     301A PARISH CHARL
    2    10.00          MT THF    WHAM     137
597   READ-LINGUISTICS         02.0 TO 06.0 CR
       PREREQ   ENG 400 OR EQUIVALENT-CONSENT
                OF DEPARTMENT
    1    TO BE ARRANGED                                PARISH CHARL
598A  IND REV ENG AM LIT       01.0 TO 03.0 CR
    1    TO BE ARRANGED
598B  IND REV ENG AM LIT       01.0 TO 03.0 CR
    1    TO BE ARRANGED
600   DISSERTATION             01.0 TO 48.0 CR
    1    TO BE ARRANGED
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Finance (FIN)

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305   PERSONAL FINANCE                 04.0 CR
    1    08.00          MTWTH    LAWSON   221
320   INTRO TO BUS FIN                 04.0 CR
       PREREQ   ACCT 261, ECON 215
    1    09.00          MTWTHF   0862     102
    2    10.00          MTWTHF   AG       224
    3    11.00          MTWTHF   0871     101
    4    01.00          MTW  F   AG       216
         01.00             TH    H EC     102
    5    03.00          MTWTHF   LS I      16
323   INVESTMENTS                      04.0 CR
       PREREQ   320 OR CONSENT OF INSTRUCTOR
    1    11.00          MT THF   0861     101
371   BUSINESS LAW I                   04.0 CR
    1    09.00           TWTHF   LAWSON   221
    2    01.00           TWTHF   WHAM     308
    3    01.00          MTWTH    LAWSON   201
    4    02.00           TWTHF   LAWSON   231
    5    02.00          MTWTH    LAWSON   201
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372 BUSINESS LAW II 04.0 CR
PREREQ 371
1 10.00 MTWTH LAWSON 201
421 MGT OF BUS FINANCE 04.0 CR
PREREQ 320
1 10.00 MT THF PARK 204
2 12.00 MT THF CL 109
473 BUS IN LEG ENVIRON 04.0 CR
PREREQ SENIOR STANDING
1 01.00 TWTHF 0861 101
2 03.00 TWTHF 0871 102

Food & Nutrition (F&N)

10C FUNDAMENT NUTRI 03.0 CR
1 08.00 M W F H EC 140B
256 SCIENCE OF FOOD 05.0 CR
PREREQ F+N 10C, CHEM 110 AND 240 OR EQUIVALENT
1 12.00 M W F H EC 140B HARPER JENNIE M
12.00-01.50 T TH H EC 212
2 12.00 M W F H EC 140B HARPER JAN
08.00-09.50 T TH H EC 212
320 NUTRITION 03.0 CR
PREREQ F+N 10C, CHEM 110 + 240
1 11.00 M W H EC 203 PAYNE IRENE R
11.00-12.50 F H EC 214
335 MEAL MANAGEMENT 04.0 CR
PREREQ F+N 256
1 03.00 T TH H EC 105 BECKER HENRIETTA E
04.00-05.50 T TH H EC 105
356 EXPERIMENTAL FOODS 04.0 CR
PREREQ F+N 256
1 03.00 T TH H EC 214
03.00-04.50 W F H EC 214
361 FOOD SERV ORG + MGT 03.0 CR
PREREQ F+N 256
1 10.00 M W F H EC 101 BECKER HENRIETTA E
390 NUTRITION + GROWTH 03.0 CR
PREREQ F+N 320 OR EQUIVALENT
1 02.00 M W F H EC 101 KONISHI
400 RESEARCH METHODS 01.0 CR
PREREQ F+N 420, 421, OR EQUIVALENT + STATISTICS
1 10.00-11.50 T TH H EC 101 PAYNE IRENE R
415 SEMINAR 01.0 TO 06.0 CR
PREREQ F+N 420 OR 421
1 01.00 F H EC 107
472 SPECIAL PROBLEMS 02.0 TO 04.0 CR
1 TO BE ARRANGED
499 THESIS 01.0 TO 09.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED

Foreign Languages (FL)

453 METH TEACH MOD F L 04.0 CR
PREREQ CONCURRENT AND/OR PRIOR ENR IN FR, GER, RUSS OR SPAN
1 03.00 MT THF LS II 450

Portuguese (PORT)

135A PORT CONVERSATION 01.0 CR
PREREQ CONCURRENT GSD 135A
1 09.00 TH H EC 106 BEVERLY CLEMENT F
201A INTERMEDIATE PORT 03.0 CR
PREREQ GSD 135C OR EQUIVALENT
1 03.00 M W F WHAM 329 BEVERLY CLEMENT F
03.00 T 0720 121

Chinese (CHIN)

120A CHIN CONVERSATION 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 12CA

1	10.00	TH	GYM	203	YANG

201A INTER CHINESE 05.0 CR
PREREQ GSD 12CC CR EQLIVALENT

1	11.CO	MTWTHF	PULL	43A	YANG

315 READINGS IN CHINESE 02.0 TO 06.0 CR
PREREQ CHIN 2C1C

1	TC BE ARRANGEC				YANG

Prospective teachers see FL 453 for listing of methods of teaching modern Foreign Languages.

French (FR)

123A FRENCH CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 123A

1	08.00	T	WHLR	212	
2	09.00	T	WHAM	301B	
3	1C.00	TH	PARK	301	
4	11.00	TH	H EC	122	
5	12.00	TH	WHLR	214	
6	01.00	W	H EC	120	
7	02.CO	T	H EC	122A	
8	03.00	TH	WHLR	107	
9	04.00	T	WHLR	212	
10	06.00 PM	M	WHLR	214	

123B FRENCH CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 123B

1	11.00	T	PULL	43	

123C FRENCH CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 123C

1	11.00	M	PULL	41	

161A FR FCR GRAD STLDENT 00.0 CR

1	03.00	MTWTH	WHLR	207	

161B FR FOR GRAD STUDENT 00.0 CR

1	03.00	MTWTH	WHLR	203	

201A INTERMEDIATE FRENCH 03.0 CR
PREREQ GSD 123-9 CR GSC 123C, OR 2 YRS HIGH SCHCCL

1	08.00	MT TH	WHLR	207	
	08.00	F	0720	121	
2	08.00	MT	PULL	43A	
	08.00	W	0720	121	
	08.00	F	LSII	146	
3	09.00	W F	AG	188	
	09.00	T	WHLR	212	
	09.00	M	0720	121	
4	10.00	M	PULL	39	
	1C.00	T F	H EC	206	
	1C.00	TH	0720	121	
5	11.00	M F	WHAM	317	
	11.00	T	WHLR	214	
	11.00	W	0720	121	
6	12.00	M	WHLR	214	
	12.00	T TH	WHLR	207	
	12.00	W	0720	121	
7	12.00	MT TH	PULL	43	
	12.00	F	0720	121	
8	01.00	M TH	WHLR	212	
	01.00	F	WHLR	214	
	01.00	W	0720	121	
9	02.00	TW F	WHAM	301B	
	02.00	M	0720	121	
10	02.00	M W	AG	170	
	02.00	TH	AG	116	
	02.00	F	0720	121	

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  11    04.00            M WTH     WHLR     113
        04.00             T        0720     121
  12    04.00             T TH     WHLR     214
        04.00              W       0720     121
        04.00            M         PULL     121
201B  INTERMEDIATE FRENCH                03.0 CR
      PREREQ   FR 201A OR EQUIVALENT
   1    12.00            M W  F    AG       144
        12.00             T        0720     121
201C  INTERMEDIATE FRENCH                03.0 CR
      PREREQ   FR 201B OR EQUIVALENT
   1    01.00            M         AG       148
        01.00              W  F    PULL      43
        01.00                TH    0720     121
220A  INTER FR CONVERSAT                 02.0 CR
      PREREQ   FR 201C OR CONCURRENT
               REGISTRATION IN 201
   1    08.00              W       0721     102
        08.00                 F    AG       224
   2    09.00              W       WHAM     301B
        09.00                 F    WHAM     137
   3    10.00              W  F    PULL      41
   4    11.00             T TH     AG       218
   5    12.00             T TH     WHLR     203
   6    02.00             T TH     WHLR     203
350A  ADVANCED COMP-CONV                 04.0 CR
      PREREQ   FR 201C
   1    10.00            MTWTH     AG       220     KILKER
   2    10.00            MT        LSII     450
        10.00               TH     TECH A   308
354   INTRO LIT ANALYSIS                 04.0 CR
      PREREQ   FR 350
   1    02.00            M W       PULL      43A
        02.00             T TH     PULL      43
397A  SURVEY FR LIT                     03.0 CR
      PREREQ   350 OR CONSENT OF INSTRUCTOR
   1    11.00             T        WHAM     321
        11.00               TH     LSII     250
        11.00                  F   AG       214
397C  SURVEY FR LIT                     03.0 CR
      PREREQ   FR 350 OR CONSENT OF INSTR
   1    01.00            M W  F    WHAM     303
403A  18TH CENT FR LIT                  03.0 CR
   1    09.00            M         H EC     202   GOBERT
        09.00             T TH     LSII     350
408   FRENCH CIVILIZATION                04.0 CR
      PREREQ   350, OR CONSENT OF INSTRUCTOR
   1    09.00            M W  F    CL        25   KILKER
        09.00               TH     LSII     350
409   FRENCH ROMANTICISM                 03.0 CR
      PREREQ   354 AND ONE QUARTER OF 397
   1    02.00            MT TH     AG       218   SMITH
461   FRENCH STYLISTICS                  04.0 CR
      PREREQ   350 OR CONSENT OF INSTRUCTOR
   1    10.00            MT THF    AG       218   O'MEARA
499   HONORS ESSAY                       04.0 CR
      PREREQ   498 AND DEPARTMENTAL APPROVAL
   1    TO BE ARRANGED
522   STUD-20TH C FR LIT       02.0 TO 06.0 CR
   1    07.00        PM   T TH     AG       218   ROWLAND
536   TCHG FR-COLL LEVEL                 02.0 CR
   1    03.00             T TH     LSII     250
543   RESEARCH PROBLEMS        02.0 TO 06.0 CR
   1    TO BE ARRANGED                             DAVIS J CARY
599   THESIS                   02.0 TO 09.0 CR
   1    TO BE ARRANGED                             KILKER JAMES A
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Prospective teachers see FL 453 for listing of methods of teaching modern Foreign Languages.

126A GERMAN CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRLMT IN GSD 126
1 08.00 TH WHLR 212
2 09.00 TH WHAM 208
3 01.00 TH LSII 430
4 02.00 T 0720 118
5 03.00 T WHAM 205
6 06.00 PM TH H EC 122

126B GERMAN CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRLMT IN GSD 126
1 04.00 TH H EC 202

126C GERMAN CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRLMT IN GSD 126
1 09.00 TH CL 326

161A GER FOR GRAD STUD 00.0 CR
1 02.00 M W WHAM 212
02.00 T F WHLR 214

161B GER FOR GRAD STUD 00.0 CR
1 02.00 M W F CL 326
02.00 T H EC 202

201A INTERMEDIATE GERMAN 03.0 CR
PREREQ GSD 126-9 CR GSD 126C CR EQUIVALENT
1 09.00 M W F WHLR 212
09.00 T 0720 121
2 11.00 W F WHLR 207
11.00 M H EC 122A
11.00 TH 0720 121
3 01.00 TW F WHLR 212
01.00 M 0720 121
4 02.00 M W F WHLR 212
02.00 T 0720 121
5 03.00 TW F PARK 309
03.00 M 0720 121

201C INTERMEDIATE GERMAN 03.0 CR
PREREQ GER 201B
1 12.00 M W WHLR 203
12.00 F GYM 204
12.00 TH 0720 121

220A INTER GER CONVERSAT 02.0 CR
PREREQ GER 201C CR CONCURRENT REGISTRATION IN 201
1 09.00 T WHAM 326
09.00 TH H EC 120
2 11.00 T TH WHLR 212
3 01.00 T TH WHLR 214

301A SUR GER LIT TO 1800 04.0 CR
1 09.00 T TH WHLR 203
09.00 M F WHAM 301B

304A ADV COMP + CONVERS 04.0 CR
PREREQ GER 201C
1 10.00 M WTHF LSII 250 LIEDLOFF LM

310A INTRC TO GERMAN LIT 04.0 CR
1 11.00 M TH WHLR 207
11.00 T 0875 101
11.00 F FELTS 130

402 ADV GER SYNTAX 03.0 CR
1 10.00 M W F WHLR 207 FRENCH HOWARD P
REQUIRED OF ALL TEACHING ASSISTANTS

407 20TH CENT GER PLAYS 02.0 CR
1 02.00 T 0720 101
02.00 TH 0720 102

411A MIDDLE HIGH GERMAN 03.0 CR
1 02.00 M W F WHLR 203 FRENCH HOWARD P

497 READG 18TH CT LIT 01.0 TO 02.0 CR
1 TO BE ARRANGED HARTWIG

501 SEMINAR GER AUTHOR 02.0 TO 06.0 CR
1 03.00 T TH WHAM 301A

512 19TH CENTURY NOVEL 03.0 CR
1 09.00 M W F WHLR 203 LIEDLOFF HEL T

533 GOTHIC 03.0 CR
1 03.00 M W AG 144
03.00 F AG 214
543 RESEARCH PROBLEMS 02.0 TO 06.0 CR
1 TO BE ARRANGED
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED

Prospective teachers see FL 453 for listing of methods of teaching modern Foreign Languages.

Greek (GRK)

?01A INTERMEDIATE GREEK 04.0 CR
PREREQ GSD 13CC CR EQLIVALENT
1 TO BE ARRANGED CBRIEN
315 READINGS-GRK AUTHCR 02.0 TO 08.0 CR
PREREQ BY PERMISSION CNLY
1 TO BE ARRANGED CBRIEN

Italian (ITAL)

144A ITALIAN CONVERSAT 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 144A
1 09.00 T WHLR 107
2 01.00 W WHAM 301A
3 06.00 PM W WHLR 107
?01A INTERMEDIATE ITAL 03.0 CR
PREREQ GSD 144C CR EQLIVALENT
1 02.00 M AG 148
02.00 T WHAM 326
02.00 W 0720 121
02.00 F WHAM 212

Latin (LATN)

?01A INTERMEDIATE LATIN 04.0 CR
PREREQ GSD 133C CR EQLIVALENT
1 11.00 M WHAM 112 SHELBY THOMAS M
11.00 T TH PHY SC 410
11.00 F COMM 1021
302 VERGILS ECLOGUES 04.0 CR
PREREQ LATN 2C1C CR EQLIVALENT
1 09.00 MTWTH WHAM 137 SHELBY
315 READ-LATN AUTHCRS 02.0 TO 08.0 CR
PREREQ BY SPECIAL PERMISSION CNLY
1 1C.00 W CL 109 SHELBY THOMAS M
10.00 F LSII 350

Romance Philology (R PH)

310 ROMANCE PHILOLCGY I 04.0 CR
1 11.00 M WHLR 113 CANFIELC
11.00 W F WHLR 212
11.00 TH WHLR 107

Russian (RUSS)

136A RUSS CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 136A
1 1C.00 TH PHY SC 410
2 11.00 TH WHAM 137
3 02.00 TH PHY SC 410
4 06.00 PM M H EC 122A
136C RUSS CONVERSATICN 01.0 CR
PREREQ CONCURRENT ENRCLLMENT IN GSD 136C
1 01.00 TH PHY SC 410
?01A INTERMED RUSSIAN 03.0 CR
1 09.00 MT F WHLR 214 MARTIN J L JR
09.00 W 0720 121
2 04.00 M W F ARENA 123 SHANKOVSKY IGOR P
04.00 TH 0720 121

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22CA  INTER RUSS CONVER                          02.0 CR
       PREREQ   RUSS 2C1 CR CCNCURRENT
                REGISTRATICN
    1    11.00              T TH     WHLR    203  CRECHWA OLGA
308A  SURV RUSS LIT                              03.0 CR
       PREREQ   RUSS 2C1C
    1    1C.00            M          WHLR    203  KUPCEK JOSEPH
         1C.00              W  F     WHAM    137
33CA  ADV COMP AND CCNV                          02.0 CR
       PREREQ   CONCURRENT ENRCLLMENT IN RUSS
                308A
    1    1C.00              T TH     WHLR    203  KUPCEK JOSEPH
401A  RUSS NOVEL-19TH CEN                        04.0 CR
       PREREQ   RUSS 3C8C CR DEPT APPROVAL
    1    C2.00            M W  F     WHAM    137  SHANKCVSKY
         02.00              T        H EC    120
501   SEM-RUSSIAN AUTHCR                         02.0 CR
    1    TO BE ARRANGED                                      KUPCEK
599   THESIS                      C2.0 TO 09.0 CR
    1    TC BE ARRANGEC

Spanish    (SPAN)
140A  SPAN CONVERSATICN                          01.0 CR
       PREREQ   CONCURRENT ENRLMT IN GSD 140
    1    C9.00              T        H EC    106
    2    09.00                TH     AG      218
    3    10.00                TH     WHLR    212
    4    11.00               W       WHAM    328
    5    12.00                TH     WHAM    137
    6    01.00              T        AG      218
    7    02.00                TH     PARK    301
    8    03.00                TH     WHLR    212
    9    04.00              T        WHLR    203
   10    06.00        PM  M          WHLR    107
140B  SPAN CONVERSATICN                          01.0 CR
       PREREQ   CONCURRENT ENRLMT IN GSD 140
    1    11.00            M          FELTS   130
14CC  SPAN CONVERSATICN                          01.0 CR
       PREREQ   CONCURRENT ENRLMT IN GSD 140
    1    11.00               W       PULL     43
161A  SPAN FOR GRAD STLC                         00.0 CR
    1    01.00            M W       PULL     43A
         01.00              T        H EC    118
         01.00                TH     H EC    120
161B  SPAN FOR GRAD STLC                         00.0 CR
    1    C1.00            M          AG      214
         01.00               W       PARK    301
         01.00              T TH     TECH A  308
201A  INTERMED SPANISH                           03.0 CR
       PREREQ   GSD 14C CR 2 YRS H.S. SPAN OR
                EQUIV
    1    08.00            M W  F     WHLR    113
         08.00              T        0720    121
    2    09.00            M W  F     LSII    130
         09.00                TH     0720    121
    3    1C.00                TH     WHLR    214
         1C.00                  F    0720    121
         1C.00              T        WHLR    212
         10.00            M          PULL     41
    4    11.00            M W  F     WHLR    203
         11.00              T        0720    121
    5    01.00            M          WHAM    307
         01.00              T TH     TECH A  122
         01.00                  F    0720    121
    6    02.00            M W        H EC    104
         02.00                TH     0720    121
         02.00                  F    H EC    120
    7    03.00            MT TH      WHLR    113
         03.00               W       0720    121
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01C  INTERMED SPANISH                    03.0 CR
      PREREQ   GSD 14C CR 2 YRS H.S. SPAN OR
               EQUIV
   1    12.00              T TH     WHLR     107
        12.00                 F     WHLR     203
        12.00           M           0720     121
20A  INTER SPAN CONVER                   02.0 CR
      PREREQ   GSD 14C CR 2 YRS H.S. SPAN OR
               EQUIV
   1    09.00           M W         WHAM     301A
   2    09.00           M W         PARK     301
   3    12.00            T TH       H EC     104
   4    12.00            T TH       WHAM     305
   5    02.00            T TH       0875     102
   6    02.00            T TH       WHLR     207
10A  SURVEY SPANISH LIT                  03.0 CR
      PREREQ   SPAN 2C1
   1    09.00           M           LS I     205          CARLSCN
        09.00             W  F      H EC     104
   2    1C.00           MT TH       PULL      43A ARTILES JENARO J
   3    C2.00           M           ABBOTT   129      CARLSON KEITH J
        02.00             W         0875     102
        02.00                F      WHLR     113
20A  ADV COMP AND CCNV                   02.0 CR
   1    09.00            T TH       PARK     309
   2    10.00             W  F      WHLR     203   DAVIS
   3    01.00            T TH       WARREN   129
   4    02.00            T TH       WHAM     329
20B  ADV COMP AND CCNV                   02.0 CR
   1    01.00            T TH       WHAM     301A
20C  ADV COMP AND CCNV                   02.0 CR
   1    C2.00            T TH       WHLR     113
33A  SURV SPAN AMER LIT                  03.0 CR
      PREREQ   SPAN 2C1C
   1    1C.00           M W  F      WHLR     212   MEINHARDT WARREN L
   2    01.00           M W  F      WHAM     212      MEINHARDT
03   SPANISH POETRY                      03.0 CR
   1    09.00           MT TH       H EC     104   ARTILES JENARO J
21   MODERN SP AM POET                   03.0 CR
   1    12.00           M W  F      WHAM     302   MEINHARDT WARREN L
75   GEN TOPICS IN SPAN      03.0 TO 12.0 CR
   1    03.00           M W  F      WHLR     214      WCODBRIDGE
00   SEMINAR LAT AM FICT     02.0 TO 06.0 CR
   1    02.00            T TH       WHLR     212   WCODBRIDGE
01   SEMINAR SP AUTHOR       02.0 TO 06.0 CR
   1    09.00             W         WHLR     214   ANDERSON VERNON L
        09.00                F      AG       148
05   PICARESQUE NOVEL                    03.0 CR
      PREREQ   SPAN 4CC CR EQUIVALENT
   1    02.00           M W  F      PARK     301   WCODBRIDGE
20   SEMINAR IN SYNTAX                   03.0 CR
   1    1C.00           M  THF      WHLR     113   CANFIELD
        1C.00             W         0720     102
43   RESEARCH PROBLEMS       02.0 TO 06.0 CR
   1    TC BE ARRANGED
75   ADV TOPICS IN SPAN      03.0 TO 12.0 CR
   1    01.00           M W  F      WHLR     203   DAVIS
99   THESIS                  02.0 TO 09.0 CR
   1    TC BE ARRANGED
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Prospective teachers see FL 453 for listing of method of teaching modern Foreign Languages.

Family Economics and Management (FE & M)

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00   HOME EC FOR MEN                     03.0 CR
   1    11.00           M W         H EC     140B HEISLER
        11.00                F      H EC     203
   2    11.00           M W         H EC     140B HEISLER
        11.00              TH       H EC     203
   3    11.00           M W         H EC     140B HEISLER
        12.00              TH       H EC     203
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    4     11.00            M W       H EC     140B HEISLER
          12.00              W       H EC     203
    5     03.00              T TH    H EC     203  MALONE
          03.00                  F   H EC     203
    6     03.00              T TH    H EC     203  MALONE
          03.00                W     H EC     203
    7     06.00-07.25 PM     T TH    H EC     203
301   H ARTS + SOC USAGE                  03.0 CR
    1     01.00            MT   F     H EC     120  HEISLER
    2     02.00            M W  F     H EC       5  HEISLER
323   HOUSING                             02.0 CR
    1     10.00              T         H EC     140B CRAIG
          09.00-10.50          TH      H EC       5
    2     10.00              T         H EC     140B CRAIG
          09.00-10.50              S   H EC       5  MALONE
331   MGT FAMILY RES                      03.0 CR
    1     11.00              T TH      H EC     140B CRAIG
          11.00                  F     H EC       5
    2     11.00              T TH      H EC     140B CRAIG
          03.00                  F     H EC       5
    3     11.00              T TH      H EC     140B CRAIG
          12.00                W       H EC       5
    4     11.00              T TH      H EC     140B CRAIG
          03.00                W       H EC       5
332   HOME MGT PRACTICUM                  04.0 CR
       PREREQ   227, 331
    1     TO BE ARRANGED                                MALONE
340   CONSUMERS + MARKET                  03.0 CR
    1     09.00            M W  F     H EC     120  JOHNSTON BETT
471   FIELD EXPERIENCE        02.0 TO 06.0 CR
       PREREQ   CONSENT OF CHAIRMAN
    1     TO BE ARRANGED
481   READINGS                02.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR + CHAIRMAN
    1     TO BE ARRANGED                                CRAIG + JOHNSON
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Forestry (FOR)

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104   INTRO FORESTRY                      03.0 CR
    1     08.00              T TH    LS I     133  ANDRESEN JOHN
          08.00-10.50              S  AG       187
221   DENDROLOGY                          04.0 CR
    1     08.00            M W  F     AG       214  FRALISH JAMES
          10.00-11.50      M          AG       195
    2     08.00            M W  F     AG       214  FRALISH JAMES
          01.00-02.50      M          AG       187
    3     08.00            M W  F     AG       214  FRALISH JAMES
          01.00-02.50        W        AG       187
    4     08.00            M W  F     AG       214  FRALISH JAMES
          08.00-09.50          TH     AG       187
320   WOOD TECHNOLOGY                     04.0 CR
       PREREQ   GSA 201C
    1     02.00              T TH    AG       168  MOSLEMI ALI
          10.00-11.50      M W        AG       187
    2     02.00              T TH    AG       168  MOSLEMI ALI
          03.00-04.50      M W        AG       187
330   HARV FOREST PRODUCT                 02.0 CR
    1     09.00            M W       LAWSON   131
369   FOR PHOTOGRAMMETRY                  03.0 CR
    1     09.00-10.50        T TH    AG       195
          08.00                W     PULL      38
    2     03.00-04.50      M W       AG       195
          08.00                W     PULL      38
381   AGRI SEMINAR            01.0 TO 02.0 CR
       PREREQ   LIMITED TO SENIOR STANDING
    1     04.00              T       AG       225
      CROSS-LISTED WITH AG I, AN I, PL I 381
390   SPEC PROB IN FOREST     01.0 TO 06.0 CR
    1     TO BE ARRANGED
      RESTRICTION CONSENT OF DEPT
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91   HONORS IN FORESTRY          01.0 TO 06.0 CR
      PREREQ   JR STAND, 4.0 GPA(4.25 IN MAJ)
               ,+ CONSENT OF DEPT CHM
   1    TO BE ARRANGED
40   GRASSLAND ECOLOGY                04.0 CR
      PREREQ   GSA 340 OR CONSENT OF INSTR
   1    08.00              W  F    AG       188
        TO BE ARRANGED
     CROSS-LISTED WITH BOT 440
50   FOREST + PARK MGT                04.0 CR
      PREREQ   FOR 350A+B
   1    01.00            MTWTH     AG       168  MCCURDY DWIGHT R
60   FOR.PARK FIELD STUD              03.0 CR
      PREREQ   FOR 350A
   1    TO BE ARRANGED                             MCCURDY DWIGHT R
66   WATERSHED MGT                    03.0 CR
      PREREQ   FOR 301, GSA 330 OR CONSENT OF
               INSTRUCTOR
   1    08.00              T TH     AG       214  BUDELSKY CARL A
        08.00-09.50        M        LAWSON   201
70A  ECON OF FORESTRY                 04.0 CR
      PREREQ   GSB 211A
   1    11.00            MTWTH     AG       214      FERELL RAYMOND S
90   PRACTICUM                 04.0 TO 16.0 CR
      PREREQ   CONSENT OF DEPARTMENT
   1    TO BE ARRANGED
20A  READ FOR + FOR REC        01.0 TO 06.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
   1    TO BE ARRANGED
20B  READINGS RES ECON         01.0 TO 06.0 CR
      PREREQ   CONSENT OF INSTRUCTOR PLUS
               FOR 375 OR EQUIVALENT
   1    TO BE ARRANGED
20C  READ FOR PRO WD SCI       01.0 TO 06.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
   1    TO BE ARRANGED                             MOSLEMI ALI A
75   RESEARCH                  01.0 TO 06.0 CR
   1    TO BE ARRANGED
81   ADVANCED FOR SEMIN        01.0 TO 06.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
   1    TO BE ARRANGED
99   THESIS                    01.0 TO 09.0 CR
   1    TO BE ARRANGED
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onvocation, University (CONV)

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00   UNIV CONVOCATION                 00.0 CR
   1    01.00              TH     ARENA    555
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eography (GEOG)

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00   INTRO TO GEOG                    04.0 CR
   1    02.00            MTWTH     LAWSON   131  SCHMUDDE THEODORE H
02   PHYSICAL GEOGRAPHY               04.0 CR
      PREREQ   GEOG 300
   1    10.00            MTWTH     0483     101
   2    11.00            MTWTH     0483     101
04   ECONOMIC GEOGRAPHY               04.0 CR
      PREREQ   GEOG 300
   1    09.00            MTWTH     AG       154
06   CULTURAL GEOGRAPHY               04.0 CR
      PREREQ   GEOG 300
   1    08.00            MTWTH     AG       154  LOBB GARY
10A  CARTOGRAPH METHODS               04.0 CR
      PREREQ   GEOG 300
   1    03.00-04.50        T TH    0431     101  IRWIN
   2    03.00-04.50        M W     0431     101
02A  ADV PHYSICAL GEOG I              04.0 CR
      PREREQ   GEOG 302 OR CONSENT OF DEPT
   1    04.00            MTW       COMM    1017  SHARPE DAVID M
        04.00              TH      AG       148
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404A ADV ECON GEOG I 04.0 CR
PREREQ GEOG 3C4 CR CONSENT OF DEPT
1 01.00 MTWTH 0483 102 SMITH DAVI
405A ADV ECON GEOG II 04.0 CR
PREREQ GEOG 3C4 CR CONSENT OF DEPT
1 03.00-04.50 M W 0483 101
406A ADV CULT GEOG I 04.0 CR
PREREQ GEOG 3C6 CR CONSENT OF DEPT
1 02.00 MTWTH 0483 101 PENNINGTON
424 REG PROB IN RES MGT 04.0 CR
1 03.00-04.50 T TH 0483 101 BEAZLEY RONAL
440 READINGS-MAJORS 02.0 TO 06.0 CR
PREREQ MAJORS ONLY
1 TO BE ARRANGED
443 TEACHING OF GEOG 04.0 CR
PREREQ GEOG 3CC
1 09.00 MTWTH 0483 102 HORSLEY
467A REG GEOG-LATIN AMER 04.0 CR
1 12.00 MTWTH 0483 102
490A TUTORIAL IN GEOG 01.0 TO 04.0 CR
PREREQ GEOG MAJOR AND SENIOR STANDING
1 10.00-11.50 T 0483 102
490B TUTORIAL IN GEOG 02.0 CR
PREREQ GEOG MAJOR AND SENIOR STANDING
1 10.00-11.50 T 0484 201
49CC TUTORIAL IN GEOG 01.0 TO 04.0 CR
PREREQ GEOG MAJOR AND SENIOR STANDING
1 10.00-11.50 T 0431 101
505A PRO-SEMINAR IN GEOG 02.0 CR
PREREQ GRAD STANDING
1 06.00-09.00 PM TH 0483 102
505B PRO-SEMINAR IN GEOG 02.0 CR
PREREQ GRAD STANDING
1 06.00-09.00 PM TH 0483 102
514 TEACH COLL GEOG 02.0 CR
PREREQ GRAD STANDING
1 12.00 T 0483 102 CHRISTENSEN
08.00-12.00 MTWTHF 0483 102
THE MEETING TIME 8-12 ONLY MEETS SEPT 14
-18
515 FIELD COURSE 04.0 TO 06.0 CR
PREREQ CONSENT OF DEPARTMENT
1 TO BE ARRANGED THOMAS
520 SEMINAR PHYS GEOG 04.0 CR
1 06.00-09.00 PM M 0483 102
521 SEM-ECON GEOG 04.0 CR
1 06.00-09.00 PM T 0483 102
524 SEM CULTURAL GEOG 04.0 CR
1 06.00-09.00 PM W 0483 102
53C INDEP STUDY GEOG 02.0 TO 10.0 CR
1 TO BE ARRANGED
540A RESEARCH PHYS GEOG 02.0 TO 36.0 CR
PREREQ GEOG 52C
1 TO BE ARRANGED
540B RESEARCH-ECON GEOG 02.0 TO 36.0 CR
PREREQ GEOG 521
1 TO BE ARRANGED
540C RESEARCH REG GEOG 02.0 TO 36.0 CR
PREREQ GEOG 522
1 TO BE ARRANGED
540D RESEARCH CULT GEOG 02.0 TO 36.0 CR
PREREQ GEOG 524
1 TO BE ARRANGED
599 THESIS 03.0 TO 09.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED
600 DISSERTATION 01.0 TO 48.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED

Geology (GEOL)

220 PHYSICAL GEOLOGY 03.0 CR
PREREQ HIGH SCHOOL OR COLLEGE CHEM
1 11.00 M F PARK 111 SAWATZKY DON L
09.00-11.50 W PARK 1E
2 11.00 M F PARK 111 SAWATZKY DON L
01.00-03.50 W PARK 1E

310A MINERALOGY I 04.0 CR
PREREQ 220,CHEM 111B OR CONCURRENT ENROLLMENT
1 08.00 M W F PARK 103 FOOD WILLIAM C
02.00-03.50 M PARK 103

40C EARTH SCIENCE SEM 03.0 CR
PREREQ GSA 11CB, GSA 330 OR 331, GEOL 221 OR 331
1 06.30-08.00 PM T TH PARK 110 HARRIS

415 OPTICAL MINERALOGY 03.0 CR
PREREQ GEOL 310, PHYS 208
1 08.00-09.50 M W F 0875 102 FANG JEN-HO

42CA GEOL OF PETROLEUM 04.0 CR
PREREQ GEOL 221, 302
1 01.00 M F PARK 110 BELL FRANK J
12.00-03.50 W PARK 110 BELL FRANK J

425A INVERT-PALEONTOLOGY 04.0 CR
PREREQ GEOL 221 OR GSA 201
1 10.00 TW F PARK 1E UTGAARD JOHN EDWARD
01.00-03.50 TH PARK 107

436A ELEM EXPLOR GEOPHYS 04.0 CR
PREREQ GEOL 22C, PHYS 211 OR CONCURRENT ENROLLMENT
1 11.00 M W F PARK 115 DAVIS
01.00-03.50 T PARK 115

44C INDEPENDENT STUDY 01.0 TO 04.0 CR
PREREQ GEOL 22C,221,ADVANCED STANDING
1 TO BE ARRANGED

510A STRATIGRAPHY 04.0 CR
1 TO BE ARRANGED

515C MIN DEP--NON-METAL 04.0 CR
1 TO BE ARRANGED FOOD

529A ADV INVERT PALEON 04.0 CR
PREREQ GEOL 425 OR CONSENT
1 TO BE ARRANGED UTGAARD

540 ADVANCED STUDIES 03.0 CR
PREREQ CONSENT
1 TO BE ARRANGED COHEN
TOPIC - COAL PETROLOGY

541 RESEARCH 01.0 TO 09.0 CR
PREREQ CONSENT
1 TO BE ARRANGED

599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED

Government (GOVT)

20C INTR TO POL SCIENCE 04.0 CR
1 01.00-02.50 T TH WHAM 112 PAINE

231 AMERICAN NATL GOVT 04.0 CR
1 08.00 MT THF WHAM 201
2 01.00 MT THF WHAM 201
3 04.00 MTWTH WHAM 112

232 STATE LOCAL GOVT 04.0 CR
PREREQ 231 OR GSB 211B
1 09.00 T F LS I 323 STAFF
08.00 TH PULL 38
09.00 M AG 188
2 12.00 MT THF WHAM 203 JACKSON
3 02.00 MTW F WHAM 201 RIDGEWAY MARIAN E
4 04.00 MTWTH WHAM 208 BAKER

305 DEV AM CONSTITUTION 05.0 CR
PREREQ GOVT 231 OR GSB 211B
1 08.00 MTW F PHY SC 118 TURNER MAX WESLEY
08.00 TH WHAM 308

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310   POLITY + ECONOMY                    04.0 CR
       PREREQ   211B CR 231
    1    01.00          M     F    WARREN  129  GOODSELL
         01.00           T TH      WHAM    329
315   ADMIN OF JUSTICE                    03.0 CR
       PREREQ   GOVT 232 CR GSE 211B
    1    10.00          M W  F     LAWSCN  131      ALEXANDER
321   READINGS                 01.0 TO 06.0 CR
       PREREQ   APPROVAL OF GOVT DEPT UNDER-
                GRAD ADVISOR
    1    TO BE ARRANGED             LAWSCN  131  SAPPENFIELD M
    2    TO BE ARRANGED                          SAPPENFIELD
330   ILL GOVERNMENT                      02.0 CR
       PREREQ   231 CR GSB 211E OR JR STANDING
    1    10.00           T TH      WHAM    308      BIANCHI RIN
340   THE LEGIS PROCESS                   03.0 CR
       PREREQ   231 CR GSE 211E
    1    09.00          M          PHY SB  440      VANDERSLIK
         09.00           T TH      PARK    204
360   PUBLIC ADMIN                        05.0 CR
       PREREQ   231 CR GSE 211E
    1    09.00          MTWTHF     WHAM    201      SAPPENFIELD
    2    01.00          MTWTHF     WHAM    202  TURNER
380   POLITICAL PARTIES                   04.0 CR
       PREREQ   231 CR GSE 211E
    1    10.00          MT THF     WHAM    201  EVERSON
    2    02.00          MT THF     AG      214  JACKSON JOHN SII
398   GOVERNMENT AND LAW                  04.0 CR
       PREREQ   231 CR GSE 211E
    1    12.00          M WTHF     WHAM    201      WASBY
415A  POLITICAL BEHAVIOR                  03.0 CR
       PREREQ   GSB 211B CR 231
    1    03.00          M W  F     WHAM    208  PAINE
450A  LATIN-AMERICAN GOVT                 04.0 CR
       PREREQ   GSB 392 RECOMMENDED
    1    01.00          MTW  F     WHAM    203  GARNER WILLIAM
453A  GOVT POL-SOV UNION                  04.0 CR
    1    02.00          MTWTH      TECH A  420A     OKOU IKUA
455   GOVTS-WEST-CENT EUR                 04.0 CR
       PREREQ   GSB 390 CONSENT OF INSTRUCTOR
    1    11.00          MT THF     WHAM    328  KAMARASY EGON
457A  GOVT NEAR MID EAST                  04.0 CR
    1    02.00          MT THF     TECH A  222  HANSON
459   POL-DEVELOPING AREA                 04.0 CR
       PREREQ   GSB 390 CR CONSENT OF INSTR
    1    01.00          M WTHF     PHY SC  156  WILLIAM
463   GOVT SOC + ECON PCL                 03.0 CR
       PREREQ   231 CR GSE 211E
    1    12.00          M W  F     PHY SC  156      RIDGEWAY MAIA
467   URBAN POLITICS                      04.0 CR
       PREREQ   GOVT 232
    1    02.00          MTWTH      PHY SC  156  BAKER JOHN H
475A  INTERNATIONAL LAW                   04.0 CR
       PREREQ   GSB 303 CR CONSENT OF INSTR
    1    08.00          MTWTH      CL      326  JACCBINI H B
478   INTERNATL POLITICS                  04.0 CR
       PREREQ   *
    1    07.35-09.15 PM   T TH      CL      326  LANDECKER MANFED
488A  REC POLIT THEORY                    03.0 CR
    1    09.00-11.30            S   WHAM    201  MORTON WARD M
495A  CONSTITUTIONAL LAW                  04.0 CR
       PREREQ   231 CR GSB 211E
    1    11.00          MT THF     WHAM    201  NELSON RANDALL H
500A  METH EMPIRICAL RES                  03.0 CR
       PREREQ   GOVT 455 CR CONSENT OF INSTR
    1    07.35-09.00 PM   T TH      WHAM    301B MILLER
508   SEM-INTERNAL REL                    04.0 CR
       PREREQ   CONSENT OF INSTR
    1    10.00-11.50    M W        PHY SC  358  LEVINE MARK S WA
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512   SEMINAR PUB ADMIN                    04.0 CR
       PREREQ   461 CR CONSENT OF INSTR
    1    03.00-04.50       T TH     WHAM     301B STALBER LELAND
515   SEM-COMPARATIVE GOV                  04.0 CR
    1    03.00-04.50      M W       PHY SC   278  HARDENBERGH MARY
517   SEM PROB POL THEORY                  04.0 CR
       PREREQ   484 CR 488 OR CONSENT OF INSTR
    1    10.00-11.50       T TH     PHY SC   258  MORTON WARD M
520   SEM AMER FOR POLICY                  04.0 CR
       PREREQ   GOVT 371 OR CONSENT OF INSTR
    1    02.00-03.50          F     PHY SC   278  KLINGBERG FRANK L
         02.00-03.50        W       WHAM     112
521   READINGS                01.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                                HANSON
    2    TO BE ARRANGED                                HANSON
530   INTERNSP PUB AFF        04.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED                              SAPPENFIELD M M
582   LAW AND CORRECTIONS                  04.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    07.00-09.50          TH     0685      1A CREMER ROBERT H
595   INDIVIDUAL RESEARCH     02.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED                                HANSON
599   THESIS                  01.0 TO 09.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED                                HANSON
600   DISSERTATION            01.0 TO 48.0 CR
       PREREQ   MIN OF 36 HRS TO BE EARNED FOR
                DOC OF PHIL DEGREE
    1    TO BE ARRANGED                                HANSON
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Guidance and Educational Psychology (GUID)

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305   EDUC PSYCHOLOGY                      04.0 CR
       PREREQ   GSB 201C
    1    08.00              TWTHF    LAWSON   151  BLUMENFELD
    2    11.00              TWTHF    LAWSON   151  BLUMENFELD
    3    12.00              TWTHF    LAWSON   171  BLUMENFELD
    4    03.00             MTWTH     LAWSON   151  BLUMENFELD
412   MENTAL HYGIENE                       04.0 CR
       PREREQ   GUID 305
    1    06.00-09.00 PM     W        WHAM     302  YATES
422A  CONST-USE EVAL INST                  04.0 CR
       PREREQ   GUID 305
    1    09.00                 F     WHAM     307  STAFF
         09.00               T TH    WHAM     202
         09.00                 W     PULL      41
    2    11.00             MTWTH     LSII     146  DENZEL
    3    04.00             MTWTH     WHAM     205  LANGE
    4    06.00-09.00 PM     W        WHAM     202     RECTOR
442   BASIC PRIN OF GUID                   04.0 CR
       PREREQ   GUID 305
    1    03.00-04.50      M W       LAWSON   121  CODY
481   SEMINAR                 02.0 TO 12.0 CR
       PREREQ   GUID 305 AND CONSENT OF
                INSTRUCTOR + DEPT
    1    TO BE ARRANGED
501   SPEC RESEARCH PROB      02.0 TO 12.0 CR
       PREREQ   ADVANCED STANDING + CONSENT OF
                 DEPARTMENT
    1    TO BE ARRANGED
505   INTR TO STAT METH                    04.0 CR
    1    08.00-09.50       T TH     WHAM     228
    2    08.00-09.50      M W       LSII     146
    3    09.00-10.50      M W       WHAM     202
    4    01.00-02.50       T        WHAM     303
         01.00-02.50         TH     PULL      43A
    5    06.00-09.00 PM    T        WHAM     317
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506   ADV STATISTICAL MET                    04.0 CR
       PREREQ   GUID 505
    1    08.00-09.50      M W       WHAM    208
    2    01.00-02.50      M W       WHAM    305
507   DES + ANAL OF EXPER                    04.0 CR
       PREREQ   GUID 506
    1    09.00-10.50        T       WHAM    329
         09.00-10.50          TH    0861    101
511   ED IMPL OF LEARN TH                    04.0 CR
       PREREQ   ADVANCED STANDING
    1    09.00-10.50        T TH    WHAM    212   WILLIAMS
515   PSY ASPECTS OF ED                      04.0 CR
       PREREQ   ADVANCED STANDING
    1    04.00-05.50      M  TH     WHAM    321   MILES
521A  ANAL-CLASSRM BEHAV                     04.0 CR
       PREREQ   GUID 305
    1    09.00-10.50          TH    LAWSON  121   SULZER
         09.00-10.50        T       PIERCE  130
530   STANDARDIZED TEST                      04.0 CR
       PREREQ   GUID 505
    1    03.00-04.50      M    F    WHAM    317   BRADLEY
532A  INDIV MEAS THEORY                      04.0 CR
       PREREQ   GUID 505 AND CONSENT OF INSTR
    1    06.00-09.00 PM     TH    WHAM    312   PALY
532B  INDIV MEAS APPRAIS                    04.0 CR
       PREREQ   GUID 532A
    1    06.00-09.00 PM   M       WHAM    321   AMBLE
537A  COUNSEL THEOR--PRAC                   04.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    06.00-09.00 PM     W     WHAM    321
543   GUID THROUGH GROUPS                    04.0 CR
       PREREQ   GUID 442
    1    06.00-09.00 PM     T     WHAM    321
545M  SEM-PSYC FOUND - ED                   04.0 CR
    1    10.00-11.50      M W     TECH A  122     DEICHMANN
548A  PRACT IN SEC GUID       02.0 TO 04.0 CR
       PREREQ   GUID 537 AND CONSENT OF INSTR
    1    10.00-11.50      M    F  WHAM    303   BRADLEY
548D  PRAC IN SCHOOL PSYC     02.0 TO 08.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                         SULZER
555   SEM IN SCHOOL PSYC      02.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
562A  HUM DEV IN ED-CHILD                   04.0 CR
       PREREQ   ADVANCED STANDING
    1    01.00-02.50      M W     WHAM    328
567   TOP SEM-EDUC PSYC       02.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    03.00-04.50        T   F  WHAM    226
568   TOP SEM-COUN + GUID     02.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
58C   TOP SEM-STAT + MEAS     02.0 TO 12.0 CR
       PREREQ   INSTRUCTORS PERMISSION
    1    01.00-02.50      M W     WHAM    317
581   INTERN-COUNS + GUID     01.0 TO 12.0 CR
       PREREQ   GUID 548C
    1    TO BE ARRANGED                         STAFF
590   SEM - BEHAV FOUNDAT           02.0 CR
       PREREQ   FORMAL ADMISSION TO DOCTOR OF
                PHIL STUDIES
    1    10.00-11.50        W     WHAM    301B  MC KENZIE
596   INDEP INVESTIGATION     02.0 TO 12.0 CR
       PREREQ   INSTRUCTORS PERMISSION
    1    TO BE ARRANGED                         STAFF
597   INDEPENDENT STUDY       01.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED                         STAFF
599   THESIS                  03.0 TO 09.0 CR
    1    01.00-05.50          F   WHAM    223   STAFF
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600   DISSERTATION              01.0 TO 48.0 CR
   1     08.00-12.00              S  WHAM     223  STAFF
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Health Education (H ED)

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301   H ED CONCEPTS ADV                 04.0 CR
       PREREQ   .
   1     09.00            MTWTH     ARENA    121     VINCENT RAYMOND J
302S  DRIVER-TRAFF SAFETY               04.0 CR
       PREREQ   A VALID DRIVERS LICENSE
   1     08.00            MTWTH     L-APS    136  AARON JAMES E
305   PRIN-FOUND H ED                   04.0 CR
   1     10.00            M         PHY SC   160  RUSSELL ROBERT C
         10.00              W       0871     102
         10.00             T TH     PHY SC   116
313S  INTRO SAFETY EDUC                 04.0 CR
       PREREQ
   1     09.00            MTWTH     L-APS    136     COOLEY
323S  METH MAT SAFETY EDU               04.0 CR
       PREREQ
   1     01.00            MTWTH     L-APS    136  RITZEL DALE O
325   COMM HEALTH PROB                  03.0 CR
       PREREQ   .
   1     06.00-09.00 PM    T        ARENA    121  MILLER LESLIE R
334S  FIRST AID                         04.0 CR
       PREREQ   .
   1     10.00            MTWTH     ARENA    119     SMELSER
   2     11.00            M WTHF    ARENA    119     BRIDGES
   3     12.00            M WTHF    ARENA    119     BRIDGES
   4     05.45-07.25      M W       ARENA    119     HARRIS
350   METH MAT SCH HEALT                04.0 CR
       PREREQ   .
   1     02.00            MTWTH     ARENA    119  PHILLIPS FRANCES K
356   PUBLIC HEALTH II                  05.0 CR
       PREREQ   .
   1     TO BE ARRANGED                                  RICHARDSON CHARLE
401   DIS PREVENT + CONTR               03.0 CR
   1     06.30-09.00 PM     W      ARENA    121
415S  WKSHOP DR ED TR SAF     03.0 TO 04.0 CR
       PREREQ   H ED 302 OR EQUIV
   1     06.30-09.00 PM      TH    L-APS    136  AARON
442S  DRIV + TRAF SAFE ED               04.0 CR
       PREREQ   HED 302S
   1     08.00            MTWTH     L-APS    136
443S  DRIV + TRAF SAFE ED               04.0 CR
       PREREQ   HED 442S
   1     11.00            MTWTH     L-APS    136  AARON JAMES E
460   SCH HEALTH PROGRAMS               04.0 CR
       PREREQ   .
   1     09.00            MTWTH     ARENA    119  RUSSELL ROBERT C
471   ORG AD SCH HEALTH                 04.0 CR
       PREREQ   .
   1     06.30-09.00 PM      TH     ARENA    121     LEFEVRE
475S  TRAFFIC LAW ENFORCE               04.0 CR
       PREREQ   H ED 433S OR CONSENT OF INSTR
   1     06.30-09.00 PM      TH     L-APS    136  AARON
490   FLD WK SCH COMM HEA     02.0 TO 08.0 CR
       PREREQ   RESTRICTED TO MAJORS IN DEPT
   1     TO BE ARRANGED                          RICHARDSON CHARLES
491   H TCH-SCHOOL + COMM               04.0 CR
       PREREQ   H ED 305,471 OR CONSENT OF
                INSTRUCTOR
   1     06.30-09.00 PM  M         ARENA    121  VINCENT RAYMOND J
500   ORG COM FOR HTH ED                04.0 CR
   1     06.30-09.00 PM     W      ARENA    123  GRISSOM DEWARD K
520   SPEC PROJ-HED + SAF     04.0 TO 06.0 CR
   1     TO BE ARRANGED                          BOYDSTON DONALD N
533A  HUMAN CONSERVATION                04.0 CR
       PREREQ   PERMISSION OF INSTRUCTOR
   1     06.30-09.00 PM      TH     ARENA    119  GRISSOM
590   FIELD INTERNSHIP        04.0 TO 12.0 CR
   1     TO BE ARRANGED                          GRISSOM DEWARD K
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597A  SEM IN HED + SAFETY                01.0 CR
    1     TO BE ARRANGED                                  BOYDSTON DONALD
597B  SEM IN HED + SAFETY                01.0 CR
    1     TO BE ARRANGED                                  BOYDSTON DONALD
597C  SEM IN HED + SAFETY                01.0 CR
    1     TO BE ARRANGED                                  BOYDSTON DONALD
599   THESIS                   03.0 TO 09.0 CR
    1     TO BE ARRANGED                                  BOYDSTON DONALD
600   DISSERTATION             01.0 TO 48.0 CR
       PREREQ   MUST MEET MINIMUM REQ OF 36
                HRS FOR PH D DEGREE
    1     TO BE ARRANGED                                  BOYDSTON DONALD
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Higher Education (HIED)

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510   HIGHER EDUC IN U S                 04.0 CR
    1     04.00-05.40      M W       WHAM    206  HAWLEY JOHN BA
515   COL STUDENT PER WK                 04.0 CR
    1     10.00-11.40        T       WHAM    205  CASEBEER ARTHUR
          10.00-11.40          F     WHAM    228  CASEBEER ARTHUR
518   COLLEGE TEACHING                   04.0 CR
    1     06.30-09.15 PM   M          WHAM    202  MOORE MALVIN J
522   READINGS                 01.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED                                  STAFF
    2     TO BE ARRANGED                                  STAFF
    3     TO BE ARRANGED                                  STAFF
523A  INTERN-COLL TEACH          01.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1     TO BE ARRANGED                                  HILL
523B  INTERN-STUDENT PERS        01.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1     TO BE ARRANGED                                  CASEBEER ARTHUR
523C  INTERN-COLLEGE ADM         01.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1     TO BE ARRANGED                                  MOORE MALVIN J
523D  INTERNSHIP                 01.0 TO 12.0 CR
       PREREQ   CONSENT OF DEPT
    1     TO BE ARRANGED                                  JUNG LOREN B
524   INDIVIDUAL STUDY           02.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED                                  STAFF
    2     TO BE ARRANGED                                  STAFF
    3     TO BE ARRANGED                                  STAFF
535A  ED PRO STUDENT HSG               02.0 CR
    1     03.00-05.00        W      WHAM    212  ZIMMERMAN ELWY
535B  BUS AD STUDENT HSG               02.0 CR
    1     08.00-09.50         TH    WHAM    301A CASEBEER ARTHUR
535E  PROB IN CTR ADMIN                02.0 CR
    1     07.35-09.15 PM     W      WHAM    210  KING JOHN E
565   COMMUNIT-JR COLLEGE              04.0 CR
    1     09.00-11.50          S    LAWSON  201
589   ADVANCED RESEARCH          04.0 TO 08.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED
595   HIED SEMINAR III           01.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED
599   THESIS                     01.0 TO 09.0 CR
    1     TO BE ARRANGED
600   DISSERTATION               01.0 TO 48.0 CR
       PREREQ   MINIMUM OF 36 HRS TO BE EARNED
                  FOR DOCTOR OF PHIL
    1     TO BE ARRANGED
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History (HIST)

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304A  ANC WORLD-NEAR EAST                03.0 CR
    1     06.00-07.25 PM   M W       H EC    203  BREHM DONALD I
309   NEGRO IN AMERICA                   04.0 CR
    1     10.00             TWTH     AG      216
          10.00             M        AG      154
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315A  INTEL HIST-WEST WLD                    03.0 CR
    1     12.00            M T TH    0861     102  VYVERBERG HENRY S
322A  ENG HIST-TO 1603                       04.0 CR
    1     11.00            M    F    PARK     204  CHERRY GEORGE L
          11.00             T TH     PARK     111
330   REVOLUTION + CONST                     03.0 CR
    1     01.00            M W       0862     102     AMMON HARRY
          01.00              TH      WHAM     228
332A  MEDIEVAL HISTORY                       03.0 CR
    1     03.00            M WTH     0875     101  BREHM DONALD L
333A  EARLY MODERN EUROPE                    03.0 CR
    1     11.00            M         LAWSCN   221  HALL THADD E
          11.00              W       LAWSCN   131
          11.00                 F    LAWSCN   101
333B  EUR HIST-18+19 CENT                    03.0 CR
    1     12.00            M W  F    WHAM     206  MCFARLIN
333C  EUR HIST-20TH CENT                     03.0 CR
    1     09.00            M         0871     102  CDAY
          09.00              W       PHY SB   440
          09.00                TH    PHY SC   118
349A  PRE-COLONIAL AFRICA                    03.0 CR
    1     11.00             T   F    LAWSCN   231  BERBERICH CHARLES
          11.00                TH    PHY SB   240
352A  LATIN AMER-COLONIAL                    03.0 CR
    1     10.00            M W       0862     102  GOLD
          10.00                TH    TECHA    420
367A  FAR EAST--TO 1800                     03.0 CR
    1     08.00            M W  F    0862     102  KUO PING-CHIA
401A  HIST OF SOUTH                         03.0 CR
    1     01.00            M         WHAM     308  MURPHY JAMES B
          01.00              W       H EC     201
          01.00                 F    WHAM     302
403A  AMER ECONOMIC HIST                    03.0 CR
    1     10.00             T TH     0861     102  CONRAD DAVID E
          10.00                F     0875     102
405A  U.S. HIST 1850-1896                   03.0 CR
      PREREQ   GSB 300B OR CONSENT OF INSTR
    1     11.00            M W  F    0862     102  ADAMS GEORGE W
406B  DIPL HIST OF EUROPE                   03.0 CR
    1     02.00            M W       0861     102  CDAY EDWARD J
          02.00              TH      0861     101
409A  US CONSTITUT HIST                     03.0 CR
    1     12.00             T THF    0862     102  CARROTT MONTGOMERY B
410   SPECIAL READINGS        02.0 TO 05.0 CR
    1     TO BE ARRANGED
411A  U S SOC-INT-TO 1830                   03.0 CR
    1     09.00            M W       TECH A   220  ADAMS GEORGE W
          09.00                 F    TECH A   310
414A  INTELLECTUAL-EUROPE                   03.0 CR
    1     10.00            M  TH     WHAM     321  VYVERBERG HENRY S
          10.00             T        WHAM     328
416A  MOD EUR RENAISSANCE                   03.0 CR
    1     09.00             T THF    LS II    146
417A  ADV ENG HIST                          03.0 CR
    1     09.00            M W  F    LS II    350     CHERRY GEORGE L
419A  EUROPE 1648-1715                      03.0 CR
    1     01.00            M W  F    0871     102  HALL
425A  AMER COLONIAL HIST                    03.0 CR
    1     02.00             T THF    TECH A   408  BATINSKI MICHAEL C
434A  SOC+POL EUR TO 1870                   03.0 CR
    1     03.00            M W  F    0862     102  ZUCKER STANLEY
435A  20TH CENT U.S. HIST                   03.0 CR
      PREREQ   GSB 300C OR CONSENT OF INSTR
    1     01.00             T TH     PHY SC   118  ALLEN HOWARD W
          01.00            M         0861     101
440A  AMER DIPLOMACY-1860                   03.0 CR
    1     02.00             TWTH     0862     102  TRANI
442A  THE WEST--COLONIAL                    03.0 CR
    1     04.00            M  TH     H EC     201  CLIFFORD JOHN
          04.00              W       WHAM     308
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452   RESEARCH + THESIS                    03.0 CR
    1    03.00              T THF    WHAM     137   BATINSKI MICHAE
465A  TRAD RUSSIA TO 1905                  03.0 CR
    1    10.00              M        0871     102   MCFARLIN HAROLD
         10.00                W  F   0861     102
47C   ARGENTINA + CHILE                    03.0 CR
      PREREQ   6 HRS OF 300-LEVEL SOC SCIENCE
               OR CONSENT OF DEPT
    1    11.00              M W      WHAM     302   WERLICH
         11.00                   F    CL       109
475A  DICTATORSHIP-LTN AM                  03.0 CR
    1    12.00              M W      H EC     201   GOLD
         12.00                TH     PULL      39
476   ANDEAN S AMER                        03.0 CR
      PREREQ   6 HRS OF 300 LEVEL SOC SCI OR
               CONSENT OF DEPARTMENT
    1    01.00              M W  F   LSII     146      WERLICH
498A  HISTORY HONORS                       03.0 CR
    1    07.00-10.00 PM     T        WHAM     301A  CARROTT MONTGOMY
510   READING IN HISTORY        02.0 TO 12.0 CR
      PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
511   STUDIES IN MID AGES                  04.0 CR
    1    09.00-11.50          TH     TECH B    20   SHELBY
515A  SEM 20TH CEN US HIS                  04.0 CR
    1    04.00-06.00        T TH     WHAM     301A  ALLEN HOWARD W
516A  SEM MOD EUR HIST          04.0 TO 08.0 CR
    1    01.00-03.50        T        LSII     430   DETWILER
522A  SEM AMER ECON HIST                   04.0 CR
      PREREQ   ECON 214 OR 215 OR CONSENT OF
               INSTR
    1    01.00-03.50          TH     H EC     122A  CONRAD
553   NEW VWPTS IN AMER H                  04.0 CR
    1    01.00-04.00          W      LS II    430      FLADELAND BET
568A  SEM IN ILLINOIS HIS                  04.0 CR
    1    02.00-04.50        M        WHAM     301B  SIMON
575A  STUDIES-LATIN AMER                   04.0 CR
    1    03.00-06.00        M        WHAM     301A  GARDINER C HARV
599   THESIS                   01.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DISSERTATION             01.0 TO 48.0 CR
    1    TO BE ARRANGED
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Home Economics Education (HEED)

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111   HOME EC ORIENTATION                  02.0 CR
    1    04.00              T TH     H EC     140B  MOORE
         12.00                TH     H EC     120
    2    04.00              T TH     H EC     140B  MOORE
         04.00                W      H EC     120
    3    04.00              T TH     H EC     140B  MOORE
         12.00                   F    H EC     120
306   SEMINAR READINGS                     02.0 CR
    1    02.00              T TH     H EC     203   MOORE VIOLET
      FROSH+SOPH ONLY TRANSFER+JR+SR REGISTER
       FOR 306
309B  METHODS OF TEACHING                  03.0 CR
      PREREQ   309A
    1    08.00              M W  F   H EC     120   KEENAN DOROTHY
31C   EVAL AND ADULT EDUC                  04.0 CR
      PREREQ   309 AND S ED 352 CONCURRENTLY
    1    TO BE ARRANGED                                EDDLEMAN EDNA J
313   SPECIAL PROBLEMS         02.0 TO 04.0 CR
      PREREQ   .
    1    TO BE ARRANGED
415   INTRC TO GRAD STUDY                  01.0 CR
    1    08.00                TH     H EC     133   FULTS ANNA CARO
481   READINGS                 02.0 TO 06.0 CR
      PREREQ   CONSENT OF INSTR AND CHAIRMAN
               OF DEPARTMENT
    1    TO BE ARRANGED                                KEENAN
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500   RESEARCH METHODS                    04.0 CR
       PREREQ   GUID 505 CR CONSENT OF INSTR
    1     06.00-08.30 PM    T        H EC    133  FULTS ANNA CAROL
510   SUPERVISION OF H EC                 04.0 CR
    1     06.30-09.00 PM      TH     H EC    133  KEENAN DOROTHY M
572   SPECIAL PROBLEMS                    01.0 CR
    1     TO BE ARRANGED                           KEENAN DOROTHY M
573   SEM-RES IN HOME EC      01.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED                           KEENAN DOROTHY M
599   THESIS                  02.0 TO 09.0 CR
    1     TO BE ARRANGED
600   DISSERTATION            03.0 TO 18.0 CR
    1     TO BE ARRANGED
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Interior Design (ID)

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131   INTRO TO DESIGN                     03.0 CR
    1     08.00               T TH     H EC    140B
          12.00-01.50      M           H EC    302
    2     08.00               T TH     H EC    140B
          12.00-01.50        W         H EC    302
    3     08.00               T TH     H EC    140B
          12.00-01.50           F      H EC    302
    4     08.00               T TH     H EC    140B
          08.00-09.50              S   H EC    302
    5     08.00               T TH     H EC    140B
          10.00-11.50         T         H EC    302
    6     07.30-09.00 PM    T TH     H EC    302
231A  BASIC INTERIOR DES                  03.0 CR
       PREREQ   ID MAJORS ONLY
    1     09.00               T TH     H EC    304  GREENE
          08.00-09.50      M W         H EC    302
    2     09.00               T TH     H EC    304  GREENE
          10.00-11.50         W  F     H EC    302
300   DISPLAY+EXHIBITION      02.0 TO 04.0 CR
       PREREQ   231A,B OR 131
    1     02.00               T TH     H EC    302  GREENE
          02.00-03.50         W        H EC    302
      ADDITIONAL HRS TBA
380   ID THRU 19TH CENT                   04.0 CR
       PREREQ   *AD 11CB, ID 231A,B OR CONSENT
                 OF INSTR
    1     03.00               TWTHF    H EC    140B
390   INTERIOR DESIGN                     05.0 CR
       PREREQ   PREVIOUS OR CONCURRENT ENRL IN
                *AD 11CA OR EQUIV
    1     01.00               M        H EC    304  STEWART
          01.00-02.50         T TH     H EC    304
    2     01.00               M        H EC    304  STEWART
          01.00-02.50           W  F   H EC    304
391C  INTERMEDIATE ID                    05.0 CR
       PREREQ   ID 391B
    1     10.00               T        H EC    304  MORAN
          10.00-11.50      M  TH       H EC    304
    2     10.00               T        H EC    304  MORAN
          10.00-11.50         W  F     H EC    304
396   SPECIAL PROBLEMS        02.0 TO 05.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1     TO BE ARRANGED
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Industrial Technology (IT)

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100   ORIENTATION                         00.0 CR
    1     04.00               T        TECH A  111
300A  PLASTIC PROCESS                     04.0 CR
       PREREQ   GSA 101B
    1     06.00-08.50 PM    T        TECH A  111
          08.00-09.50           TH     TECH D   14B
    2     06.00-08.50 PM    T        TECH A  111
          08.00-09.50              S   TECH D   14B
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    3    06.00-08.50 PM    T          TECH A  111
         01.00-02.50       T          TECH D   14B
    4    06.00-08.50 PM    T          TECH A  111
         03.00-04.50         TH       TECH D   14B
    5    06.00-08.50 PM    T          TECH A  111
         03.00-04.50     M            TECH D   14B
305A  DESIGN ILLUSTRATION                 03.0 CR
      PREREQ   E T 102B
    1    04.00             T TH       TECH A  210
         10.00-11.50             S    TECH A  307
    2    04.00             T TH       TECH A  210
         01.00-02.50         TH       TECH A  307
306A  INDUSTRIAL DESIGN                   03.0 CR
      PREREQ   I T 305A CONCURRENT
    1    12.00             T TH       TECH A  220
         08.00-09.50         TH       TECH A  307
    2    12.00             T TH       TECH A  220
         08.00-09.50           F      TECH A  307
307   ANAL PROB IN TECH                   05.0 CR
      PREREQ   MATH 111A, B
    1    02.00           MTWTHF       TECH A  410
317   CAST+METAL FORMING                  05.0 CR
      PREREQ   MATH 111A
    1    10.00             T TH       TECH A  111
         08.00-09.50           F      TECH D   14B
         10.00              W  F      LAWSON  101
    2    10.00             T TH       TECH A  111
         11.00-12.50           F      TECH D   14B
         10.00              W  F      LAWSON  101
    3    10.00             T TH       TECH A  111
         10.00-11.50             S    TECH D   14B
         10.00              W  F      LAWSON  101
    4    10.00             T TH       TECH A  111
         06.00-07.50 PM      TH       TECH D   14B
         10.00              W  F      LAWSON  101
    5    10.00             T TH       TECH A  111
         03.00-04.50           F      TECH D   14B
         10.00              W  F      LAWSON  101
318   MATERIALS JOINING                   03.0 CR
    1    11.00              W  F      TECH A  111
         06.00-07.50 PM    T          TECH D   14B
    2    11.00              W  F      TECH A  111
         10.00-11.50         TH       TECH D   14B
    3    11.00              W  F      TECH A  111
         01.00-02.50         TH       TECH D   14B
    4    11.00              W  F      TECH A  111
         08.00-09.50     M            TECH D   14B
    5    11.00              W  F      TECH A  111
         01.00-02.50     M            TECH D   14B
319   INDUSTRIAL INTERN        03.0 TO 24.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
325   METAL REMOVAL PROC                  05.0 CR
      PREREQ   MATH 111A
    1    01.00           MT THF       TECH A  111
         08.00-09.50      T           TECH D   14B
    2    01.00           MT THF       TECH A  111
         10.00-11.50     M            TECH D   14B
    3    01.00           MT THF       TECH A  111
         06.00-07.50 PM  M            TECH D   14B
    4    01.00           MT THF       TECH A  111
         10.00-11.50       W          TECH D   14B
    5    01.00           MT THF       TECH A  111
         08.00-09.50       W          TECH D   14B
335   METAL + HEAT TREAT                  03.0 CR
      PREREQ   MATH 111A
    1    09.00           M W          TECH A  410
         10.00-11.50      T           TECH D   14B
    2    09.00           M W          TECH A  410
         03.00-04.50      T           TECH D   14B
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341   MAINTENANCE                          03.0 CR
    1    03.00            M W  F    TECH A  220
343A  ELECT ELECTRONICS                    03.0 CR
    1    04.00            M W       TECH A  308
         10.00-11.50        TH      TECH D  104
    2    04.00            M W       TECH A  308
         10.00-11.50        W       TECH D  104
351   PRODUCT CONTROL                      03.0 CR
      PREREQ   I T 325
    1    11.00            M W  F    TECH A  208
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Instructional Materials (I M)

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308   INTRC TO CATALOGING                  04.0 CR
    1    03.00            M W       PULL    310     CALE
         01.00-02.50        TH      PULL    310
400   LIB RES METHODS                      02.0 CR
    1    01.00            M W       PULL    310  CALE
403   SCH LIB FUN MGT                      04.0 CR
    1    01.00            MTWTH     PULL    318     COX DOROTHY J
405   LIB MAT FOR CHILD                    04.0 CR
      PREREQ   OPEN TO JUNIORS WITH CONSENT
               OF INSTRUCTOR
    1    10.00            MTWTH     PULL    318     FLETCHER KATHLEEN
406   ADOL LIB MATERIALS                   04.0 CR
      PREREQ   OPEN TO JUNIORS WITH CONSENT
               OF INSTRUCTOR
    1    11.00            MTWTH     PULL    318     FLETCHER KATHLEEN
407   BASIC REF SOURCES                    04.0 CR
    1    09.00            MTWTH     PULL    310  COX DOROTHY J
417   A-V METH IN EDUC                     04.0 CR
    1    08.00            MTWTH     LAWSON  121
    2    08.00            MTWTH     PULL    316
    3    09.00            MTWTH     PULL    316
    4    10.00            MTWTH     PULL    316
    5    11.00            MTWTH     PULL    316
    6    12.00            MTWTH     PULL    316
    7    01.00            MTWTH     PULL    316
    8    02.00            MTWTH     PULL    316
    9    03.00            MTWTH     PULL    316
   10    04.00            MTWTH     PULL    316
   11    05.45-07.25      M W       PULL    316
   12    05.45-07.25        T TH    PULL    316
   13    07.35-09.00 PM   M W       PULL    316
   14    07.35-09.00 PM     T TH    PULL    316
420   SCH LIB ACT-PRACT                    04.0 CR
      PREREQ   308, 403, 405, OR 406, 407
    1    08.00            MTWTH     PULL    318     FLETCHER KATHLEEN
440   PHOTOG FOR TEACHERS                  04.0 CR
    1    10.00            MTWTH     PULL    310  BUTTS GORDON K
445   PREP TEACH-MADE MAT                  04.0 CR
      PREREQ   417 OR CONSENT OF INSTRUCTOR
    1    09.00-10.50      MTWTH     PULL    307  EDWARDS SETH J
448   ADMIN OF A-V PROG                    04.0 CR
      PREREQ   417 OR CONSENT OF INSTRUCTOR
    1    02.00            MTWTH     PULL    318     INGLI DONALD A
457   RAD TELEV IN CLRM                    04.0 CR
    1    12.00            MTWTH     PULL    318
506   LIT OF SOC SCIENCES                  03.0 CR
      PREREQ   IM 407
    1    06.30-09.00 PM     T       PULL    318
510   MASS COMM IN EDUC                    04.0 CR
    1    06.30-09.00 PM   M         PULL    310  BUTTS GORDON K
549   VISUAL LEARNING                      04.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    06.30-09.00 PM     W       PULL    318     WENDT PAUL R
576   PROB INST MAT            02.0 TO 08.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
599   THESIS                   05.0 TO 09.0 CR
    1    TO BE ARRANGED
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600   DISSERTATION                C1.0 TO 48.0 CR
    1    TC BE ARRANGED                                    DALE
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Journalism (JRNL)

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203   THE NEWS                          03.0 CR
       PREREQ   JRNL 1C1, 102 CR 345, 346
    1    08.00              M W       0869    101
         08.00-09.50          TH      0869    101
    2    09.00              M W       0869    101
         08.00-09.50            F     0869    101
    3    1C.00              M W  F    0834    101
         11.00                  F     0834    101
    4    11.00               T TH     0869    101
         02.00-03.50            F     0869    101
297   INTRC MAGAZINE JCLR               03.0 CR
    1    09.00              M W  F    0861    101
301   NEWSWRIT EDIT I                   03.0 CR
       PREREQ   JRNL 2C3
    1    08.00                W        AG       216  GROTTA GERALD
       ADDITIONAL HRS TBA
    2    08.00                W        AG       216  GROTTA GERALD
       ADDITIONAL HRS TBA
    3    08.00                W        AG       216  GROTTA GERALD
       ADDITIONAL HRS TBA
    4    08.00                W        AG       216  GROTTA GERALD
       ADDITIONAL HRS TBA
302   NEWSWRIT EDIT II                  03.0 CR
       PREREQ   JRNL 2C3
    1    1C.00              M W  F    0869    101      GRANATO
         11.00                  F     0869    101
    2    1C.00               T TH     0869    101
         02.00              M W       0869    101
    3    12.00              M W  F    0834    101
         11.00                   S    0834    101
303   NEWS + EDIT III                   03.0 CR
       PREREQ   JRNL 3C1 AND 3C2
    1    11.00              M         0869    101
         TO BE ARRANGED
    2    11.00                W       0869    101
         TO BE ARRANGED
310   RADIO TV NEWS                     03.0 CR
       PREREQ   JRNL 2C3, 301, 302, AND 303
    1    01.00              M W  F    COMM   1016  DUGAS
       CROSS-LISTED WITH R-T 31C
330   EDITORIAL WRITING                 03.0 CR
       PREREQ   JRNL 3C3
    1    11.00              M W  F    AG       218
345   HIST OF JOURN                     03.0 CR
    1    08.00              M         PARK     111
         08.00                W       0720     102
         08.00                  F     LAWSCN   221
346   COMPARATIVE JOURN                 03.0 CR
    1    11.00              M W  F    PULL      38
350   COMMUNITY NEWSPAPER               03.0 CR
    1    01.00              M WTH     AG       218
369   MAG WRITING                       03.0 CR
       PREREQ   JRNL 2C3, 301, 302
    1    02.00              M W  F    PHY SC   410
370   PRIN OF ADVERTISING               03.0 CR
       PREREQ   JRNL 1C1, 102 CR 345, 346
    1    09.00              M W  F    PULL      38
372   AD COPY LAYOUT PRCD               05.0 CR
       PREREQ   JRNL 37C
    1    09.00              M W       AG       144
         09.00-10.50          TH      AG       144
         09.00                  F     COMM    1021
         09.00-10.50         T        ABBOTT   129
373   ADV MEDIA + MARKETS               03.0 CR
       PREREQ   JRNL 37C
    1    11.00              M         AG       154
         11.00                W       PARK     111
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        11.00                  F    BAILEY  130
374   ADV POL AND PRCBS                  03.0 CR
       PREREQ   CONSENT CF DEPT
    1    08.00              M W  F    PHY SC  410
    2    01.00              M W  F    PHY SC  410
376   ADVER CAMPAIGNS                    04.0 CR
       PREREQ   CONSENT CF DEPT
    1    04.00                TH      0869    101
       ADDITIONAL HRS TBA
383A  NP PROD MANAGEMENT                 03.0 CR
       PREREQ   JRNL 2C3
    1    08.00              M W  F    0834    101
    2    09.00               T TH S   0834    101
    3    11.00              M WTH     0834    101
383B  NP PROD MANAGEMENT                 03.0 CR
       PREREQ   JRNL 383A
    1    09.00              M W  F    0834    101
    2    12.00              M W  F    0869    101
389   BASIC RES IN JRNL                  03.0 CR
       PREREQ   SENICR STANDING
    1    08.00              M W  F    AG      144
390   ADVANCED REPORTING                 03.0 CR
       PREREQ   JRNL 3C3
    1    01.00              M W  F    0869    101  STARCK KENNETH
    2    03.00              M         0869    101
         01.00               T TH     0869    101
391   FEATURE WRITING                    03.0 CR
       PREREQ   JRNL 3C3
    1    10.00               T TH S   0834    101
393   PUBLICITY METHCDS                  03.0 CR
    1    09.00               T        H EC    120  CLAYTCN CHARLES C
         09.00                 TH S   WHAM    301B
395   INTR-MASS COMM THEC                03.0 CR
       PREREQ   SENICR STANDING
    1    10.00              M W  F    PHY SC  116  ATWCCD L ERWIN
399   SENICR SEMINAR                     01.0 CR
       PREREQ   LAST QTR MAJORS
    1    12.00              M         COMM   1022  FRAZER MARY KING
431   PUBLIC RELATIONS                   03.0 CR
       PREREQ   SR STANDING-JRNL MAJORS CNLY
    1    02.00               T        COMM   1022
         02.00                  F     COMM   1018
         02.00                TH      COMM   1017
433A  RES THEORY + DESIGN                03.0 CR
    1    12.00              M W  F    AG      218  RUCKER BRYCE W
         01.00-02.50         T        0834    101
442   LAW OF JOURNALISM                  03.0 CR
       PREREQ   SR STANDING -JRNL MAJORS  ONLY
    1    09.00              M W  F    ARENA   123
445   SPECIALIZED WRITING                04.0 CR
       PREREQ   CONSENT CF INSTR
    1    10.00              M W  F    TECH B   20
449   PRACTICUM                02.0 TO 08.0 CR
       PREREQ   CONSENT CF DEPT
    1    TO BE ARRANGED                                 LCNG HOWARD RUSK
498   READINGS                 01.0 TO 12.0 CR
       PREREQ   CONSENT CF INSTR
    1    TO BE ARRANGED
501   LITERATURE OF JRNL                 03.0 CR
    1    07.00-09.50 PM  M        AG      218  LCNG HOWARD RUSK
533   RESEARCH PROB-JRNL       01.0 TO 04.0 CR
    1    TO BE ARRANGED                                 RUCKER BRYCE W
545   STUDIES IN JRNL HIS                03.0 CR
    1    03.00-04.50         T TH     AG      218  HART JIM ALLEE
595   GRADUATE SEMINAR                   00.0 CR
    1    TO BE ARRANGED                                 RUCKER BRYCE W
598   READINGS                 01.0 TO 12.0 CR
       PREREQ   CONSENT CF INSTR
    1    TO BE ARRANGED
599   THESIS                   01.0 TO 08.0 CR
    1    TO BE ARRANGED                                 RUCKER BRYCE W
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600 DISSERTATION C1.0 TO 48.0 CR
1 TO BE ARRANGED RUCKER BRYCE W

Management (MGT)

170 INTR TO BUS ADMIN 04.0 CR
PREREQ FRESHMEN AND SOPHOMORES ONLY
1 09.00 MTWTHF PHY SC 160
2 04.00 MTWTHF LAWSON 131

301 MGT + SUPERVISION 04.0 CR
PREREQ GSB 201C OR EQUIVALENT, OR PER MISSION OF INSTRUCTOR
1 01.00 MT THF WHAM 321

302 ADMIN COMM IN BUS 04.0 CR
PREREQ GSD1C2,MGT170ORACCT250R251AOR MGT340REQUIVORCONSENT
1 10.00 T THF 0871 102

340 BUS-ORG AND MGT 04.0 CR
PREREQ GSB 201B AND C, OR EQUIVALENT-JR STANDING OR CONSENT
1 08.00 MTWTHF PHY SB 240
2 04.00 MTWTHF LAWSON 151
3 05.45-07.25 M W LAWSON 161

341 ORGANIZ BEHAVIOR I 04.0 CR
PREREQ 340, GSD 110 OR EQUIV OR CONSENT OF INSTR
1 10.00-11.50 M ABBOTT 129
10.00-11.50 W WHAM 303
2 02.00-03.50 W F PULL 43

345 INF SYST-COMP FUND 04.0 CR
PREREQ ACCT 261, MGT 340 OR FIN 320 OR MKT 301, OR CONSENT
1 08.00-09.50 T TH WHAM 328
2 01.00-02.50 T TH WHAM 305

351 METH OF QUAN ANAL 04.0 CR
1 11.00-12.50 T TH LS I 323

361 RESEARCH IN BUS ADM 04.0 CR
PREREQ MGT 340, GSD 102, 103, GSD 110 OR EQUIV OR CONSENT
1 10.00-11.50 T TH PULL 41
2 03.00-04.50 TH 0871 101
03.00-04.50 T 0861 102

382 PERF STAND+METH IMP 04.0 CR
PREREQ MGT 340 OR CONSENT OF INSTR
1 12.00-01.50 M F PULL 38

385 PERSONNEL MGT 04.0 CR
PREREQ MGT 340, GSD 110 OR EQUIVALENT , OR CONSENT OF INSTR
1 08.00-09.50 M PULL 39
08.00-09.50 F LAWSON 231
2 02.00-03.50 M W AG 216

440 THE MGT PROCESS 04.0 CR
PREREQ MBA STUDENT
1 TO BE ARRANGED
MEETS WITH 340 PLUS ONE SEPARATE SESSION PER WEEK

452 BUS OPERATIONS ANAL 04.0 CR
PREREQ MGT 340, 451 OR MATH 150 OR GSD 110,EQUIV.OR CONS.
1 08.00-09.50 T TH AG 216
2 12.00-01.50 T TH PULL 38

474 MGT RESP IN SOCIETY 04.0 CR
PREREQ MGT 340, SR STANDING OR CONSENT OF INSTR
1 08.00-09.50 W WHAM 321
08.00-09.50 F WHAM 205
2 12.00-01.50 M W PHY SC 160

479 PROBS BUS AND ECON 04.0 CR
PREREQ 340, ECON 215,308 OR 408 OR EQUIV, MKTG 301 OR EQ.
1 10.00-11.50 M F PULL 43

480 REC PROB-LABOR LAW 04.0 CR
PREREQ FIN 371 OR ECON 310 OR GOVT 395,OR CONSENT OF INST
1 02.00-03.50 M F PULL 38
481 ADMINISTRATIVE POL 04.0 CR
PREREQ MGT 340, FIN 320, MKTG 301 OR EQUIV, + SR STANDING
1 08.00-09.50 M W CL 21
2 10.00-11.50 T TH CL 326
3 12.00-01.50 W F PULL 41
4 02.00-03.50 T TH GYM 204
485 PROBS PERS MGT 04.0 CR
PREREQ MGT 385, ECON 308 OR 408, MGT 361
1 10.00-11.50 W F PHY SC 160
2 02.00-03.50 M W PHY SC 160
499 SPEC TOPICS IN MGT 01.0 TO 08.0 CR
PREREQ 16 HRS IN BUSINESS + CONSENT OF DEPT CHAIRMAN
1 11.00-12.50 W F CL 326

Marketing (MKTG)

301 MKTG FUNDAMENTALS 04.0 CR
PREREQ ECON 214, ACCT 251A
1 11.00 MTWTH LAWSCN 171
2 05.45-07.25 T TH LAWSCN 221
335 INTERNATIONAL MKTG 04.0 CR
PREREQ MKTG 301
1 12.00-01.50 T TH CL 24
2 03.00-04.50 T TH CL 109
341 TRANSPORTATION 04.0 CR
PREREQ MKTG 301, ECON 215
1 08.00 TWTHF WHAM 303
2 03.00-04.50 T TH TECH D 131
363 PROMOTIONAL CONCEPT 04.0 CR
PREREQ MKTG 301
1 09.00 MTWTH CL 109
2 02.00 MTWTH CL 109
3 04.00 MTWTH AG 144
390 MKTG RES + ANAL 04.0 CR
PREREQ MKTG 301, ONE COURSE IN STATISTICS
1 09.00 MTWTH CL 24
2 11.00 MTWTH CL 109
3 01.00 TWTHF CL 109
4 03.00 TWTHF WHAM 303
401 PROB IN RETAILING 04.0 CR
PREREQ MKTG 363
1 01.00 TWTHF WHAM 307
2 03.00 TWTHF CL 24
438 SALES MANAGEMENT 04.0 CR
PREREQ MKTG 363
1 09.00 MTWTH WHAM 307
2 01.00-02.50 T TH PHY SC 160
439 IND MARKETING MGMT 04.0 CR
PREREQ MKTG 363
1 01.00-02.50 T TH PULL 41
450 INRO TO MGR MKTG 04.0 CR
PREREQ RESTRICTED TO MBA STUDENTS
1 11.00 TWTHF CL 24
452 PHYSICAL DIST MGT 04.0 CR
PREREQ MKTG 301, ECON 215
1 08.00-09.50 T TH COMM 1017
2 10.00-11.50 T TH WHAM 307
463 ADVERTISING MANAG 04.0 CR
PREREQ MKTG 363, MKTG 390
1 10.00-11.50 M W WHAM 307
2 03.00-04.50 T TH TECH B 20
493 MARKETING POLICIES 04.0 CR
PREREQ ACCT 261, MKTG 363, 390, PLUS 4HRS IN MKTG, SENIOR

1	03.00-04.50	M	CL	109
	03.00-04.50	W	WHAM	319
2	03.00-04.50	T TH	WHAM	305

Mathematics (MATH)

108 BASIC TRANS MATH 03.0 CR
PREREQ GSD 107

1	08.00	M W	PHY SC	116
	08.00	TH	H EC	203
2	11.00	T TH S	PHY SC	118
3	02.00	T THF	PARK	204
4	04.00	M W F	AG	216

111A COL ALGEBRA TRIG 05.0 CR
PREREQ GSD 106 OR HS EQUIV

1	08.00	MTWTHF	BROWN	130
2	08.00	MTWTHF	PHY SA	160
3	08.00	MTWTH S	TECH A	420A
4	08.00	MT THF	PARK	308
	08.00	W	COMM	1006
5	09.00	MTWTH S	AG	150
6	09.00	M	H EC	203
	09.00	T TH S	LS I	16
	09.00	F	PARK	204
7	09.00	MTWTHF	AG	116
8	09.00	M W F	0861	102
	09.00	T TH	H EC	202
9	10.00	MTWTH S	LS II	350
10	10.00	TWTHFS	PARK	111
11	10.00	MTWTHF	BROWN	130
12	10.00	M W F	TECH A	420A
	10.00	T TH	TECH A	320
13	11.00	M	WHAM	329
	11.00	W F	AG	188
	11.00	T TH	AG	144
14	11.00	MTWTHF	LS II	250
15	11.00	M W F	AG	216
	11.00	T TH	TECH A	220
16	12.00	MTWTHF	TECHA	420
17	12.00	MTWTHF	PHY SC	118
18	12.00	MTWTHF	TECH A	408
19	12.00	MTWTHF	AG	214
20	01.00	M W F	PHY SC	116
	01.00	TH	TECH A	222
21	01.00	MTWTHF	LSII	250
22	01.00	MTWTHF	TECH A	208
23	01.00	MTWTH	AG	144
	01.00	F	PHY SA	160
24	02.00	MTWTHF	0871	102
25	02.00	MTWTHF	PARK	111
26	02.00	MTWTHF	TECH A	320
27	03.00	M W F	TECH D	131
	03.00	T TH	TECH A	322
28	03.00	MTWTHF	TECHA	420
29	03.00	MTWTHF	0862	101
30	03.00	MTWTHF	PHY SA	156
31	04.00	MTWTHF	TECH A	208
32	06.00-07.25 PM	M WTH	TECH A	220
33	06.00-07.25 PM	M WTH	TECH A	222
34	07.35-09.00 PM	M WTH	TECH A	220
35	07.35-09.00 PM	M WTH	TECH A	310

111B COL ALGEBRA TRIG 05.0 CR
PREREQ MATH 111A

1	08.00	TWTHFS	TECH A	220
2	08.00	MTWTHF	TECH A	210
3	08.00	MTWTHF	PHY SA	156
4	09.00	T TH S	PHY SA	156
	09.00	W	TECH A	322
	09.00	F	TECH A	220
5	09.00	MTWTHF	BROWN	130
6	10.00	M W F	TECH A	222
	10.00	T	LAWSON	101

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        10.00                TH     AG       214
    7   10.00              M W      H EC     206
        10.00               T TH    TECH A   210
        10.00                   F   TECH A   308
    8   11.00              M WTHF   ARENA    123
        11.00               T       TECH D   131
    9   11.00              MTWTHF   BROWN    130
   10   12.00              MTWTHF   TECH A   422
   11   12.00              MTWTHF   ARENA    121
   12   01.00              MTWTHF   TECH D   131
   13   01.00              MTW  F   AG       166
        01.00                 TH    AG       214
   14   02.00               T THF   PHY SC   218
        02.00              M        0862     102
        02.00                W      TECH A   222
   15   02.00              MTWTHF   TECH A   422
   16   03.00              MTWTHF   TECH A   422
   17   03.00              MTWTHF   ARENA    119
   18   06.00-07.25 PM     M WTH    TECH A   422
   19   07.35-09.00 PM     M WTH    TECH A   422
   20   07.35-09.00 PM     M WTH    PHY SA   278
140A  SHORT CRSE-CALCULUS                    03.0 CR
      PREREQ   MATH 111B
    1   10.00              M        TECH A   322
        10.00                W      TECH A   422
        10.00                   F   TECH A   310
    2   02.00              MT TH    TECH A   310
    3   04.00              M W  F   TECH A   210
150A  ELEM CALC-ANAL GEOM                    05.0 CR
      PREREQ   MATH 111B
    1   08.00              MTWTHF   TECH A   320
    2   09.00               T THF   TECH A   410
        09.00              M        0875     101
        09.00                W      TECH A   422
    3   10.00              MTWTHF   TECH A   408
    4   11.00              M        AG       144
        11.00               T TH    TECH A   322
        11.00                W      WHAM     228
        11.00                   F   H EC     140B
    5   12.00              MTWTHF   TECH A   208
    6   01.00              MTWTHF   TECH A   210
    7   02.00              MTWTHF   TECH A   220
    8   03.00              MT THF   H EC     102
        03.00                W      TECH A   320
    9   03.00              MTWTHF   TECH A   408
   10   06.00-07.25 PM     M WTH    TECH A   308
   11   07.35-09.00 PM     M WTH    TECH A   308
150B  ELEM CALC-ANAL GEOM                    05.0 CR
      PREREQ   MATH 150A
    1   08.00              MTWTHF   TECH A   408
    2   09.00              MTWTHF   TECH A   408
    3   11.00              MTWTHF   TECH A   408
    4   12.00              MTWTHF   PHY SC   116
    5   01.00              MTWTHF   TECH A   408
    6   02.00              MTWTHF   TECH A   210
    7   06.00-07.25 PM     M WTH    TECH A   310
159A  ELEM CALCULUS-HONOR                    07.0 CR
      PREREQ   CONSENT OF DEPT
    1   09.00              MTWTHF   PHY SA   358
159B  ELEM CALCULUS-HONOR                    07.0 CR
      PREREQ   CONSENT OF DEPT
    1   11.00              MTWTHF   TECH A   320
252A  INTER CALC-ANAL GEO                    05.0 CR
      PREREQ   MATH 150B OR 159B
    1   09.00              MTWTHF   TECH D   131
    2   10.00              MTWTHF   TECH A   220
    3   12.00              MTWTHF   TECH A   210
    4   03.00              MTWTHF   TECH A   310
252B  INTER CALC-ANAL GEO                    04.0 CR
      PREREQ   MATH 252A
    1   08.00              MT THF   TECH A   410
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    2    01.00              MTW       TECH A  320
         01.00                   F    TECH A  310
    3    03.00               TWTHF    TECH A  308
259A  INTER-CALCULUS-HCN                  07.0 CR
      PREREQ   MATH 15CB CR 15SB AND CONSENT
               OF DEPT
    1    03.00              MTWTHF    TECH A  410
259B  INTER-CALCULUS-HCN                  06.0 CR
      PREREQ   MATH 259A
    1    01.00              MTWTHF    TECH A  120
301   FUNDAMENTAL CONCEPT                 03.0 CR
      PREREQ   MATH 15CB
    1    09.00                 TH     PHY SA  278
         09.00              M W       PHY SA  458
    2    11.00               T TH     TECH A  422
         11.00                   F    PHY SA  358
    3    02.00              M W  F    PHY SA  358
    4    03.00               T THF    PHY SA  358
    5    06.00-07.25 PM      T TH     PHY SA  258
305A  MATH PHYS SCIENCES                  03.0 CR
      PREREQ   MATH 252B
    1    08.00              M W  F    TECH A  422
    2    10.00              M         TECH A  320
         10.00               T TH     GYM     204
    3    12.00              MT TH     TECH A  320
    4    04.00              M W  F    TECH A  320
    5    07.35-09.00 PM      T TH     TECH A  322
310   TEACHING ELEM MATH                  04.0 CR
      PREREQ   GSD 1C7
    1    08.00              MTWTH     WHAM    112
    2    11.00              MT TH     PHY SA  160
         11.00                 W       TECH A  420A
    3    02.00              M W       WHAM    329
         02.00               T TH     TECH A  322
    4    04.00              MTWTH     WHAM    201
311   TEACH SEC MATH /P/                  03.0 CR
      PREREQ   MATH 3C1
    1    10.00               TW  F    TECH A  322
319   INTR-ABSTRACT ALG                   03.0 CR
      PREREQ   MATH 3C1 CR CONSENT OF DEPT
    1    12.00               TW  F    TECH A  322
    2    04.00              M W  F    TECH A  322
321   ELEM MATRIX ALGEBRA                 03.0 CR
      PREREQ   MATH 15CA CR 14CB
    1    09.00               T TH     TECH A  420A
         09.00                   F    TECH A  208
    2    01.00              M WTH     TECH A  322
325   INTRO-NUMBER THEORY                 03.0 CR
      PREREQ   MATH 3C1 CR CONSENT OF DEPARTM
               ENT
    1    02.00              M WTH     TECH D  131
335A  CONCEPTS OF GEOM                    03.0 CR
      PREREQ   MATH 252A, 301 CR CONSENT OF
               INSTR
    1    03.00              MT TH     TECH A  320
352   INTRO TO ANALYSIS                   03.0 CR
      PREREQ   MATH 3C1 CR CONSENT OF DEPT
    1    09.00              M W  F    TECH A  420A
395   READINGS IN MATH          02.0 TO 12.0 CR
      PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
41CA  STAT ANALYSIS                       04.0 CR
      PREREQ   MATH 111B CR CONSENT OF INSTR
    1    10.00              M W  F    PHY SB  440
         10.00-11.50         T        PHY SA  278
    2    10.00              M W  F    PHY SB  440
         10.00-11.50           TH     TECH A  410
    3    10.00              M W  F    PHY SB  440
         10.00-11.50           TH     AG      154
      SECT 3 RESTRICTED TO PSYC MAJORS
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421A LINEAR ALGEBRA 03.0 CR
PREREQ MATH 252B, 301 CR CONSENT OF DEPT
1 10.00 T TH TECH A 120
10.00 F PHY SA 358
2 01.00 TW F PHY SA 358
425 THEORY OF NUMBERS 03.0 CR
PREREQ MATH 325 CR CONSENT OF INSTR
1 04.00 M W F PHY SA 258
426A MATH LOGIC 03.0 CR
PREREQ MATH 3C1 CR CONSENT OF DEPT
1 11.00 M W F TECH A 422
428A BOOL ALG-SWI THEORY 03.0 CR
PREREQ 301 CR CONSENT OF INSTR
1 12.00 M W F PHY SA 358
433A INTRC TO TOPOLOGY 03.0 CR
PREREQ MATH 3C1 CR CONSENT OF DEPT
1 02.00 M W F TECH A 322
452A ADVANCED CALCULUS 03.0 CR
PREREQ MATH 252B
1 09.00 M T THF PHY SC 258
2 09.00 M T THF TECH A 322
455A ADV MATH-PHYS SCI 03.0 CR
PREREQ MATH 3C5B CR CONSENT OF INSTR
1 12.00 TW TECH D 131
12.00 F PHY SA 258
455C ADV MATH-PHYS SCI 03.0 CR
PREREQ MATH 3C5B CR CONSENT OF INSTR
1 04.00 M W F TECH A 122
475A NUMERICAL ANALYSIS 03.0 CR
PREREQ MATH 3C5A CR 252B AND CONSENT OF INSTR
1 03.00 M W F TECH A 210
480A PROBABILITY 03.0 CR
PREREQ MATH 252B
1 10.00 M W F TECH A 210
2 01.00 M WTH PHY SA 258
483A INTRC MATH STAT 03.0 CR
PREREQ MATH 252B
1 11.00 M W F TECH A 220
501A REAL ANALYSIS 03.0 CR
PREREQ MATH 452C
1 01.00 T THF TECH A 220
502 ADV TOP ORD DIF EQ 03.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 10.00-11.50 T TH PHY SA 458
505A TH ORDIN DIFF EQUAT 03.0 CR
PREREQ MATH 5C1B AND 421A OR CONSENT OF INSTR
1 09.00 M W F TECH B 20
507A PARTIAL DIFF EQUAT 03.0 CR
PREREQ MATH 452C
1 10.00 M W F PHY SA 156
510 FOUNDATIONS OF MATH 04.0 CR
1 12.00 M F TECH A 222
12.00 T TH PHY SA 358
520A MODERN ALGEBRA 03.0 CR
PREREQ 419 CR CONSENT OF INSTRUCTOR
1 03.00 M W F TECH A 322
522 ADV TOPICS-ALGEBRA 03.0 CR
PREREQ MATH 520B
1 02.00-03.50 M W PHY SA 258
525 ADV TOP NUMBER THEC 03.0 TO 18.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 09.00 M W F PHY SA 156
528A THEORY OF AUTOMATA 03.0 CR
PREREQ MATH 428B
1 04.00 M W F PHY SA 458
530A GENERAL TOPOLOGY 03.0 CR
PREREQ 433B CR CONSENT OF INSTRUCTOR
1 02.00 T THF TECH A 122

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531A  ALGEBRAIC TOPOLOGY                          03.0 CR
       PREREQ   MATH 433B + 435E
    1    02.00              T THF    TECH B    20
532   ADV TOPICS TOPOLOGY                         03.0 CR
       PREREQ   MATH 53CB
    1    01.00-02.50        M W      TECH B    20
551A  FUNCTIONAL ANALYSIS                         03.0 CR
       PREREQ   MATH 421B AND 5C1C
    1    01.00              T THF    TECH B    20
552   ADV TOPICS-ANALYSIS                         03.0 CR
       PREREQ   CONSENT OF DEPT
    1    09.00-10.50        T TH     TECH A   122
555A  COMPLEX ANALYSIS                            03.0 CR
       PREREQ   MATH 452C
    1    11.00              M W  F   TECH A   120
560A  CALC OF VARIATIONS                          03.0 CR
       PREREQ   MATH 452C
    1    12.00              M WTH    PHY SA   258
572   ADV TOP NUMER ANAL                          03.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED
580A  MATH METH OF STAT                           03.0 CR
       PREREQ   MATH 452C
    1    10.00              M W  F   PHY SA   258
595A  SP PROJ ALGEBRA          01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595B  SP PROJ GEOMETRY         01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595C  SP PROJ ANALYSIS         01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595D  SP PROJ PROB + STAT      01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595E  SP PROJ MATH EDUC        01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
    2    03.00              T        TECH A   120
    3    03.00              T        PHY SA   278
    4    03.00                TH     PHY SA   278
595F  SP PROJ LOGIC + FOU      01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595G  SP PROJ TOPOLOGY         01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    04.00              M W  F   PHY SA   160
595H  SP PROJ AP MATH          01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595I  SP PROJ DIF EQUAT        01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
595J  SP PROJ NUMBER THEO      01.0 TO 10.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
599   THESIS                   01.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DISSERTATION             01.0 TO 48.0 CR
    1    TO BE ARRANGED
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Microbiology (MICR)

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301   PRIN-MICROBIOLOGY                           05.0 CR
       PREREQ   1 YR OF COLLEGE CHEM AND GSA 2
                01A OR EQUIV
    1    08.00              MTWTH    LS I      16  SHECHMEISTER S
         09.00-10.50        M W      LS I       6
         08.00                  F    LS I       6
    2    08.00              MTWTH    LS I      16  SHECHMEISTER S
         11.00-12.50        M W      LS I       6
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      09.00                F    LS I      6
   3  08.00             MTWTH   LS I     16  SHECHMEISTER ISAAC L
      01.00-02.50       M W     LS I      6
      12.00                F    LS I      6
   4  08.00             MTWTH   LS I     16
      06.00-07.50 PM    M W     LS I      6
      02.00                F    LS I      6
390   UNDERGRAD RES PART      02.0 TO 05.0 CR
       PREREQ   4.00 GPA IN MICR AND/OR
                CONSENT OF DEPARTMENT
   1     TO BE ARRANGED
403   MED BACTERIOLOG LEC             03.0 CR
       PREREQ   MICR 302
   1     02.00             MTW     LS I     16  MCCLARY DAN O
404   MED BACTERIOLOG LAB             02.0 CR
       PREREQ   PREVIOUS OR CONCURRENT ENROLLM
                ENT IN MICR 403
   1     08.00-09.50        T TH   LS I      6
         09.00                 S   LS I      6
   2     10.00-11.50        T TH   LS I      6
         10.00                 S   LS I      6
425   BIOCHM+PHS MICR-LEC             03.0 CR
       PREREQ   301 AND ORGANIC CHEMISTRY
   1     09.00             M W  F  LS I     16  GOUR MAURICE
426   BIOCHM+PHS MICR-LAB             03.0 CR
       PREREQ   PREVIOUS OR CONCURRENT 425
   1     01.00-05.50          TH   LS I      8
   2     01.00-05.50             F LS I      8
462   FUNGAL GENETICS LEC             03.0 CR
       PREREQ   BIOL 305
   1     08.00             M W  F  AG      148  GILMORE RICHARD
463   FUNGAL GENETICS LAB             03.0 CR
       PREREQ   CONSENT OF INSTR + MICR 462 OR
                 CONCURRENT ENROLLMENT
   1     03.00-05.50       M W     LS I      8
500   SEMINAR                         01.0 CR
   1     TO BE ARRANGED
511   RESEARCH              01.0 TO 15.0 CR
   1     TO BE ARRANGED
528   READINGS IN MICRO     01.0 TO 10.0 CR
   1     TO BE ARRANGED
541   ADVANCED VIROLOGY               06.0 CR
       PREREQ   MICR 441
   1     10.00             MTW     LS I     16  ROUHANDEH
         02.00-04.50        T TH   LS I      6
599   THESIS                03.0 TO 09.0 CR
   1     TO BE ARRANGED
600   DISSERTATION          03.0 TO 48.0 CR
   1     TO BE ARRANGED
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Music (MUS)

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001A  MARCHING BAND           01.0 TO 02.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
   1     03.15-04.45        T THF   ALTG    114  HANES
         07.00-09.00 PM     M       ALTG    114
001B  SYMPHONIC BAND                01.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
   1     02.00             M W  F  ALTG    114  KOENIGSTEIN NICHOLAS
001C  STAGE BAND                    01.0 CR
       PREREQ   AUDITION
   1     05.00-07.00           W   ALTG    114  LEMASTERS DONALD O
   2     07.00-09.00 PM       TH   ALTG    114  STIMAN HAROLD E
   3     07.00-09.00 PM        W   ALTG    114  LEMASTERS
001E  WIND ENSEMBLE                 01.0 CR
       PREREQ   AUDITION
   1     02.00             T TH    ALTG    114  SIEBER MELVIN L
002A  UNIVERSITY CHOIR              01.0 CR
       PREREQ   AUDITION
   1     04.00-05.30       T TH    ALTG    115  KINGSBURY ROBERT W
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002B  CHORUS ORATORIC                    0C.0 TO 01.0 CR
    1    07.30-09.45 PM  M                H EC    140B KINGSBURY ROBE
    2    07.30-09.45 PM  M                ALTG    115  KINGSBURY ROBE
    3    07.30-09.45 PM  M                ALTG    116     KINGSBURY
002C  MALE GLEE CLUB                        01.0 CR
       PREREQ   AUDITION
    1    08.00-09.30 PM   T TH            ALTG    115  KINGSBURY ROBE
002D  WOMEN-CHORAL ENSEM                    01.0 CR
       PREREQ   AUDITION
    1    03.00            M W            ALTG    115  TAYLOR CHARLES
         03.00                F           ALTG    116
002E  ANGEL FLT ANGELAIRE                   01.0 CR
       PREREQ   MEMBERSHIP IN S.I.U. ANGEL
                FLIGHT
    1    07.30-09.00 PM   T TH            ALTG    248  TAYLOR CHARLES
003A  UNIVERSITY ORCHESTR                   01.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    03.00-04.30      M W  F          ALTG    114     STROUD  Y
003B  CHAMBER ORCHESTRA                     01.0 CR
       PREREQ   AUDITION
    1    TO BE ARRANGED                                     STRAWN
01CA  CLASS APP-STRINGS                     01.0 CR
    1    09.00            T TH            ALTG    114  FOULDS+STROUD
010B  CLASS APP-WOODWINDS                   01.0 CR
    1    08.00            T TH            0555    205  RESNICK-INTRAV
01CC  CLASS APP-BRASS                       01.0 CR
    1    11.00            T TH            ALTG    114  STIMAN+LEMASTE
010E  CLASS APP-PIANO                       01.0 CR
       PREREQ   CONC OR SEC CONC IN MUS, ELED
                OR EARLY CHILDHOOD
    1    08.00            M W             ALTG    301     HARTLINE EL
       MM6
    2    08.00             T TH           ALTG    301     BEDFORD FRA
       KP1
    3    09.00            M    F          ALTG    301     HARTLINE EL
       KP2
    4    09.00             T TH           ALTG    301     BEDFORD FRA
       SKP3
    5    10.00             T    F         ALTG    301     HARTLINE EL
       MM4
    6    10.00            M W             ALTG    301     BEDFORD FRA
       KP1
    7    11.00            M    F          ALTG    301     HARTLINE EL
       MM1
    8    11.00             T TH           ALTG    301     BEDFORD FRA
       KP3
    9    11.00               W            ALTG    301     BEDFORD FRA
         08.00                  F         ALTG    301
       KP3
   10    12.00            M W             ALTG    301     HARTLINE EL
       MM1
   11    12.00             T    F         ALTG    301  BEDFORD FRANC
       MM6
   12    01.00            M W             ALTG    301     HARTLINE EL
       MM1
   13    01.00             T    F         ALTG    301     BEDFORD FRA
       MM3
   14    02.00            M W             ALTG    301     HARTLINE EL
       MM4
   15    02.00             T    F         ALTG    301     BEDFORD FRA
       MM5
   16    03.00            M W             ALTG    301     HARTLINE EL
       KP1
   17    03.00             T    F         ALTG    301     BEDFORD FRA
       KP2
01CF  CLASS APP-VOICE                       01.0 CR
    1    10.00             T TH           ALTG    248
    2    01.00             T TH           ALTG    248
010G  CLASS APP-GUITAR                      01.0 CR
       PREREQ   CONC OR SEC CONC IN MUS, ELED
                OR EARLY CHILDHOOD
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    1    10.00              T TH     0812     107
    2    12.00              T TH     0812     107
105A  THEORY OF MUSIC                   04.0 CR
    1    08.00             MTWTHF    ALTG     106  WEBB MARY ANN V
    2    08.00             MTWTHF    ALTG     116  BABER JOSEPH W
    3    09.00             MTWTHF    ALTG     116     EDDINS
    4    09.00             MTWTHF    ALTG     106  GRIZZELL MARY JANE
    5    09.00             MTWTHF    ALTG     248  HUSSEY
140A  PRIV APP MUS-VIOLIN     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          FOULDS HELEN E
    2    TO BE ARRANGED                          STRAWN RICHARD G
140B  PRIV APP MUS-VIOLA      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          BABER JOSEPH W
140C  PRIV APP MUS-CELLO      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          STROUD JAMES H
140D  PRIV APP MUS - BASS     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          BRANCH LONDON E
140E  PRIV APP MUS-FLUTE      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          BOTTJE
    2    TO BE ARRANGED                          RESNICK
140F  PRIV APP MUS-OBOE       01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          HUSSEY GEORGE A
140G  PRIV APP MUS-CLAR       01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          INTRAVAIA
    2    TO BE ARRANGED
140H  PRIV APP MUS-BASSON     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          INTRAVAIA LAWRENCE J
140I  PRIV APP MUS-SAX        01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          HUSSEY
    2    TO BE ARRANGED                          INTRAVAIA
140J  PRIV APP MUS-PERCUS     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          HANES
140K  PRIV APP MUS-PIANO      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                             BARWICK
    2    TO BE ARRANGED                          GRIZZELL
    3    TO BE ARRANGED                          MUELLER
    4    TO BE ARRANGED                          WERNER
    5    TO BE ARRANGED                          WERNER WARREN KENT
140L  PRIV APP MUS-F HORN     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          NADAF GEORGE
140M  PRIV APP MUS-TRUMP      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          LEMASTERS DONALD C
    2    TO BE ARRANGED                          OLSSON PHILLIP H
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140N  PRIV APP MUS-TRBONE     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          STIMAN HAROLD
140O  PRIV APP MUS-TUBA       01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          STIMAN HAROLD
140P  PRIV APP MUS-BATONE     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          STIMAN HAROLD
140Q  PRIV APP MUS-VOICE      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          KAGEFF BURT KI
    2    TO BE ARRANGED                          LAWRENCE
    3    TO BE ARRANGED
    4    TO BE ARRANGED                          TAYLOR
140R  PRIV APP MUS-ORGAN      01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          WEBB MARY ANN
140S  PRIV APP MUS-HARPCH     01.0 TO 04.0 CR
       PREREQ   MUS CONC OR SECONDARY CONC OR
                CONSENT OF MUS FACULTY
    1    TO BE ARRANGED                          BEDFORD FRANC
    2    TO BE ARRANGED                          MORGAN WESLEY
20C   FUNDAMENTALS-MUSIC                 03.0 CR
    1    12.00          M W        ALTG   116  POULOS
         12.00              F      0555   201
    2    12.00          M W        ALTG   116  POULOS
         12.00             TH      0555   201
    3    01.00          M W        ALTG   116  MCHUGH
         01.00              F      0555   201
    4    01.00          M W        ALTG   116  MCHUGH
         01.00             TH      0555   201
    5    02.00          M W        ALTG   248  FLOYD
         02.00              F      0555   201
    6    02.00          M W        ALTG   248  FLOYD
         02.00             TH      0555   201
205A  THEORY OF MUSIC                    03.0 CR
       PREREQ   105C
    1    11.00          MTWTHF     ALTG   106  MUELLER ROBER E
    2    11.00          MTWTHF     ALTG   116     OLOFIELD
    3    11.00          MTWTHF     ALTG   248     WERNER WAR N
240   PRIV APP MUS              01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVIOUS LEVEL ON
                SAME INSTR OR CONSENT
(SEE MUSIC 140 FOR LISTING)
300B  EL METH-NON MAJ 4-6                 03.0 CR
       PREREQ   200 CR EQUIVALENT
    1    10.00          M W  F     ALTG   248      MCHUGH CAT R
300C  EL METH-NON MAJ K-3                 03.0 CR
       PREREQ   200 CR EQUIVALENT
    1    12.00          M W  F     ALTG   248      MCHUGH CAT R
305I  INSTRUMENTAL PROB                   03.0 CR
    1    12.00          M W  F     ALTG   106  KOENIGSTEIN
309A  ARRANGING                           02.0 CR
       PREREQ   105C
    1    12.00            T TH     ALTG   248      BABER
312A  COMPOSITION                         02.0 CR
       PREREQ   205C
    1    TO BE ARRANGED                           OLOFIELD W LA
318A  CONDUCTING                          02.0 CR
    1    08.00            T TH     ALTG   248      STRAWN RIC RO
326A  ANALYSIS                            02.0 CR
       PREREQ   205C
    1    01.00            T TH     ALTG   116  BOTTJE WILL G
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340   PRIV APP MUS              01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
SEE MUSIC 140 FOR LISTING)
341   ACCOMPANYING LAB                 01.0 CR
    1    TO BE ARRANGED                              WERNER
346   OPERA WORKSHOP            02.0 TO 36.0 CR
    1    03.00              T TH     ALTG    115   LAWRENCE MARJORIE
         03.00-04.50           F     ALTG    115
         07.00-10.00 PM     WTH     ALTG    116
357A  MUS HIST + LIT                  03.0 CR
       PREREQ   MUS 105C CR CONSENT OF
                INSTRUCTOR
    1    10.00              TWTHF    ALTG    116
    2    10.00               T TH    ALTG    116
         02.00              M W      ALTG    116
    3    10.00               T TH    ALTG    116
         02.00               W  F    ALTG    116
365A  CHAMBER MUS-VOCAL               01.0 CR
    1    04.00              M W      ALTG    115   KINGSBURY ROBERT W
365B  CHAMBER MUS-STRING              01.0 CR
    1    TO BE ARRANGED                              KARTMAN
365C  CHAMBER MUS-WOODWND             01.0 CR
    1    TO BE ARRANGED                              RESNICK,HUSSEY
365D  CHAMBER MUS-BRASS               01.0 CR
    1    07.00-08.30 PM   T          ALTG    114   NADAF, KOENIGSTEIN
411A  SYMPHONIC LIT                   03.0 CR
    1    01.00              M W  F   ALTG    106   BARWICK STEVEN
414   COLLEGIUM MUSICUM         02.0 TO 06.0 CR
       PREREQ   MUSIC CONCENTRATION AND/OR
                CONSENT OF DEPARTMENT
    1    01.00               T TH    0812    107   MORGAN WESLEY K
         07.00-09.00 PM   M          0812    107
440   PRIV APP MUS              01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
(SEE MUSIC 140 FOR LISTING)
441A  COUNTERPOINT                    02.0 CR
       PREREQ   105C
    1    01.00              T TH     ALTG    106     WERNER WARREN KEN
444A  INTERMEDIATE COMP               02.0 CR
       PREREQ   312C AND CONSENT OF DEPARTMENT
    1    TO BE ARRANGED                              OLDFIELD
451   TEACH GEN CLASS MUS       02.0 TO 03.0 CR
    1    01.00              M W  F   ALTG    248     TAYLOR CHARLES C
468   MUSIC PRODUCTIONS         02.0 TO 12.0 CR
    1    TO BE ARRANGED                              WALLACE
481   READINGS IN THEORY        02.0 TO 06.0 CR
    1    TO BE ARRANGED                                 MUELLER ROBERT E
482   READ IN HIST + LIT        02.0 TO 06.0 CR
    1    TO BE ARRANGED                                 MORGAN WESLEY K
483   READ IN MUS EDUC          02.0 TO 06.0 CR
    1    TO BE ARRANGED                                 GORDON RODERICK D
499   INDEPENDENT STUDY         01.0 TO 12.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    TO BE ARRANGED                              GORDON RODERICK D
501   INT GRAD ST IN MUS                  03.0 CR
    1    12.00              M W  F   LIB     217   MORGAN
502A  ANALYTIC TECHNIQUES             02.0 CR
    1    02.00               T TH    ALTG    106   MUELLER ROBERT E
505   BAROQUE MUSIC                   03.0 CR
    1    03.00              M W  F   ALTG    248   MORGAN
531   ADV COMPOSITION           02.0 TO 09.0 CR
       PREREQ   312C, 342C, AND CONSENT OF
                INSTRUCTOR
    1    TO BE ARRANGED                                 BOTTJE WILL G
540   PRIV APP MUS              01.0 TO 04.0 CR
       PREREQ   3 QTRS AT PREVICUS LEVEL ON
                SAME INSTR OR CONSENT
(SEE MUSIC 140 FOR LISTING)
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550   ADMIN + SUPERVISION                    03.0 CR
    1     10.00              T THF    ALTG    106     GORDON
556   ADV CONDUCTING          02.0 TO 06.0 CR
    1     TO BE ARRANGED                             KINGSBURY ROBR
    2     TO BE ARRANGED                             STROUD JAMES
    3     TO BE ARRANGED                             SIEMER
566   INST ENSEMBLE           01.0 TO 12.0 CR
    1     TO BE ARRANGED                             SIEMER
567   VOCAL ENSEMBLE          01.0 TO 12.0 CR
    1     TO BE ARRANGED                             KINGSBURY
568   OPERA WORKSHOP          02.0 TO 12.0 CR
    1     03.00              T TH     ALTG    115  LAWRENCE MARJR
          03.00-04.50          F      ALTG    115
          07.00-10.00 PM     WTH      ALTG    116
598   GRADUATE RECITAL                       06.0 CR
    1     TO BE ARRANGED                             GORDON
599   THESIS                  03.0 TO 09.0 CR
    1     TO BE ARRANGED                             GORDON RODERICK
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Philosophy (PHIL)

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200   TYPES OF PHIL                          04.0 CR
    1     07.35-09.15 PM   M W        H EC    208  TENNEY
320   GENERAL LOGIC                          04.0 CR
    1     02.00            MTWTH      LS II   350     CLARKE DAVID
345   BLACK SOCIAL PHIL                      03.0 CR
        PREREQ   JR STANDING OR PERMISSION OF
                 DEPT
    1     03.00             T TH      H EC    118
          03.00                F      H EC    208
389   EXISTENTIAL PHIL                       03.0 CR
    1     09.00            M W  F     H EC    208  GILLAN
415   LOGIC OF SOCIAL SCI                    03.0 CR
    1     11.00            M W  F     LS II   350     MCCLURE GERALD
477   LATIN AM PHILOSOPHY                    04.0 CR
    1     07.00-09.30 PM   T          H EC    122  FRONDIZI
490   SPECIAL PROBLEMS        02.0 TO 12.0 CR
        PREREQ   CONSENT OF INSTR REQ IN ALL
                 CASES
    1     TO BE ARRANGED                             HAHN LEWIS ERWIN
    2     02.00            M W        0871    101  KELLY
          02.00             T TH      PARK    301
        TOPIC DESCARTES  4 CR
    3     03.00            MTWTH      H EC    208
        TOPIC  19TH CENTURY PHIL  4 CREDITS
497A  HONORS                                04.0 CR
        PREREQ   QUALIFICATION FOR HONORS
    1     04.00-06.30        W        H EC    211  MCCCLURE
500   SEM METAPHYSICS         02.0 TO 04.0 CR
    1     04.00-06.30        W        H EC    208  HAHN
581   SEMINAR IN PLATO        02.0 TO 04.0 CR
    1     07.00-09.30 PM     W        H EC    208  PLOCHMANN
585   BRITISH EMPIRICISM                     04.0 CR
    1     04.00-06.30        T        H EC    211
588   SEMINAR IN KANT         02.0 TO 04.0 CR
    1     04.00-06.30        T        H EC    208  SCHILPP
589   GEN GRAD SEMINAR        02.0 TO 12.0 CR
        PREREQ   CONSENT OF INSTR
    1     TO BE ARRANGED                             HAHN
590   GEN GRAD SEMINAR        02.0 TO 12.0 CR
    1     TO BE ARRANGED                             HAHN
    2     04.00-06.30          F      H EC    208  CLARKE
        TOPIC  LOGIC FOR 4 CR
    3     04.00-06.30          F      H EC    211  GILLAN
        TOPIC  EXISTENTIALISM 4 CREDITS
    4     04.00-06.30        M        H EC    208
        TOPIC MIDIEVAL PHIL 4 CR
    5     07.00-09.30 PM     T        H EC    208  EAMES
        TOPIC RUSSELL FOR 4 CR
591   READINGS IN PHIL        01.0 TO 05.0 CR
        PREREQ   CONSENT OF INSTR
    1     TO BE ARRANGED                             HAHN LEWIS ERWIN
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599   THESIS                    02.0 TO 09.0 CR
   1     TO BE ARRANGED                              HAHN LEWIS EDWIN
500   DISSERTATION              03.0 TO 48.0 CR
   1     TO BE ARRANGED                              HAHN LEWIS EDWIN
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Physical Education for Men (PEM)

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100A  M TEACH SWIMMING                  01.0 CR
       PREREQ   IF NONSWIMMER--AUDIT GSE 100A
                BEG SWIM
   1     11.20-12.10      M W  F    POOL P    11  ESSICK RAYMOND B
   2     12.10-01.00      M W  F    POOL P    11  ESSICK RAYMOND B
100B  M TEACH GOLF                      01.0 CR
   1     08.00-09.50      M  TH     ARENA    555  HOLDER LYNN C
   2     08.00-09.50       T   F    ARENA    555  HOLDER LYNN C
      PEM 100B MEETS FIRST NINE WEEKS ONLY
100C  M TEACH TENNIS                    01.0 CR
   1     08.00-09.50      M W       TENNIS   100
   2     08.00-09.50       T TH     TENNIS   100  STAFF
   3     09.00-10.50       T TH     TENNIS   100  STAFF
      PEM 100C MEETS FIRST NINE WEEKS ONLY
100D  M TCH IND-TEAM ACT                01.0 CR
   1     08.00            MTWTH     ARENA    555  REESE CARL D
   2     09.00            MTWTH     ARENA    555     WILKINSON
      MEETS FIRST NINE WEEKS ONLY
100E  M TCH BASIC RHYTHMS               01.0 CR
   1     10.00            M W  F    ARENA    555  FRANKLIN C C JR
100F  M TCH EXER-FITNESS                01.0 CR
   1     12.00            M         ARENA    123  GOOD LARRY
         12.00              W  F    ARENA    555
100G  M TEACH FOOTBALL                  02.0 CR
   1     01.00-03.30      M W       ARENA    555  MAZIE ROBERT
   2     01.00-03.30       T TH     ARENA    555  REESE CARL D
      PEM 100G MTS FIRST NINE WKS ONLY
100H  M TEACH BASKETBALL                02.0 CR
   1     11.00            M W  F    ARENA    555  IUBELT GEORGE
         11.00             T        ARENA    123
   2     01.00            M W  F    ARENA    555  IUBELT GEORGE
         01.00             T        AG       224
100I  M TEACH BASEBALL                  02.0 CR
   1     11.00-12.50      M W       ARENA    555  JONES RICHARD C
   2     01.00-02.50      M W       ARENA    555  JONES RICHARD C
   3     01.00-02.50       T TH     ARENA    555  JONES RICHARD C
100J  M TEACH TRACK-FIELD               02.0 CR
   1     10.00            MTWTH     ARENA    555  HARTZOG LEWIS B
   2     11.00            MTWTH     ARENA    555  HARTZOG LEWIS B
   3     12.00            MTWTH     ARENA    555  HARTZOG LEWIS B
100K  M TEACH GYMNASTICS                02.0 CR
   1     09.00            MTWTH     ARENA    555  MEADE WILLIAM T
100M  M TEACH WRESTLING                 02.0 CR
   1     10.00            M T TH    ARENA    555  LONG LINN L
         10.00              W       ARENA    125  LONG LINN L
101   ORIENT-PRACT P E                  02.0 CR
   1     12.00             T TH     ARENA    123  MARTIN MORRIS GLENN
   2     12.00              W  F    ARENA    123  MARTIN MORRIS GLENN
   3     01.00              W  F    ARENA    123  MARTIN MORRIS GLENN
170   VARSITY FOOTBALL                  02.0 CR
   1     03.00            MTWTHF    ARENA    555  TOWERS RICHARD E
178   VARSITY CROSS COUNT               02.0 CR
   1     03.00            MTWTHF    ARENA    555  HARTZOG LEWIS B
230A  BEGIN TECH BALLET                 02.0 CR
   1     04.00             T        GYM      206
         04.00-05.50      M W       GYM      206
      CROSS-LISTED WITH PEB+THEA 230
303   KINESIOLOGY                       05.0 CR
       PREREQ   PHSL 300
   1     11.00            MTWTHF    LAWSON   121  GOOD LARRY
      CROSS-LISTED WITH PEB 303
305   PE - ATYPICAL STUD                02.0 CR
       PREREQ   PHSL 300
   1     10.00             T TH     ARENA    125
   2     02.00             T TH     ARENA    121  GREENE NORMAN C
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320 PHSL MUSCULAR ACT 04.0 CR
PREREQ GSA 301
1 01.00 MTWTH ARENA 125 KNOWLTON
330A TH BASKETBALL COACH 02.0 CR
PREREQ 100H
1 10.00 T TH ARENA 123 HARTMAN JOHN
330B THEO FOOTBALL COACH 02.0 CR
PREREQ PEM 217
1 08.00 MTW ARENA 123 TOWERS RICHAR
MEETS FIRST NINE WEEKS ONLY
331A TH SWIMMING COACH 02.0 CR
PREREQ 100A
1 01.00 T TH ARENA 123 ESSICK
341 PRIN OF P E 03.0 CR
PREREQ SENIOR STANDING
1 02.00 M W F ARENA 125 SHEA EDWARD
350 M-M TEACH PE EL SCH 03.0 CR
1 09.00 MTWTH ARENA 125 FRANKLIN C C
2 01.00 M W F ARENA 121 FRANKLIN C C
01.00 T ARENA 119
354 ORG-ADM PHY ED-ATHL 03.0 CR
1 03.00 MTW ARENA 125 STOTLAR JOHN
355 ASSISTING TECH 02.0 CR
1 06.00 PM M ARENA 125 WILKINSON JAM
ADDITIONAL MTG TBA
370 TESTS MEAS PHY ED 03.0 TO 04.0 CR
1 08.00 MTWTH ARENA 125 FRANKLIN C C
376 CARE-PREV ATH INJ 03.0 CR
PREREQ PHSL 300
1 12.00 MTWTH ARENA 125 SPACKMAN ROBE
400 EVALUATION IN P E 04.0 CR
1 07.00-09.30 PM T GYM 204 WEST
CROSS-LISTED WITH PEW 400
402 O-A INTRA + EX ACT 02.0 CR
1 07.00-08.50 PM W ARENA 125 WILKINSON JAM
CROSS-LISTED WITH PEW 402
475A IND RES-DANCE 02.0 TO 04.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 475A
475B IND RES-KINESIOLOGY 02.0 TO 04.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 475B
475C IND RES-MEASUREMENT 02.0 TO 04.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 475C
475D IND RES-MOTOR DEVEL 02.0 TO 04.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 475D
475E IND RES-PHSL OF EX 02.0 TO 04.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 475E
475F IND RES-HIST + PHIL 02.0 TO 04.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 475F
500 TECH RESEARCH 04.0 CR
1 07.00-09.30 PM M GYM 204 KNOWLTON RONA
CROSS-LISTED WITH PEW 500
510A MOTOR DEVEL 02.0 CR
1 05.00 M W GYM 204 POTTER MARJOR
CROSS-LISTED WITH PEW 510A
511 ANAL HUM PHYS MOVE 02.0 CR
1 07.00-08.50 PM TH LAWSON 201 GOOD LARRY
CROSS-LISTED WITH PEW 511
525 READING IN P E 01.0 TO 06.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 525
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 599

600 DISSERTATION 02.0 TO 48.0 CR
1 TO BE ARRANGED
CROSS-LISTED WITH PEW 600

Physical Education for Women (PEW)

114 SPEEDBALL 01.0 CR
1 08.00-09.30 T TH GYM 208
2 09.00-10.30 M W GYM 208
3 11.00-12.30 T TH GYM 208 ILLNER
4 12.00-01.30 T TH GYM 208 BRECHTELSBAUER KAY
212 BEG CONTEMP DANCE 01.0 CR
1 09.00 M W F 0831 101 DAVIDSON ELLEVA J
2 01.00 M W F GYM 208 LITHERLAND BARBARA A
222 FOLK DANCING 01.0 CR
1 08.00 M W F GYM 207 LITHERLAND BARBARA A
2 12.00 M W F GYM 114 LITHERLAND BARBARA A
3 07.00-08.30 PM M W GYM 208 LITHERLAND BARBARA A
230A BEGIN TECH BALLET 02.0 CR
1 04.00-05.50 M W GYM 206 DAVIDSON ELLEVA J
04.00 T GYM 206
CROSS LISTED WITH THEATER AND MENS P E
240 THEO-TECH CONT DNCE 02.0 CR
1 10.00-11.50 MTWTH 0813 101 GRAY WINSTON G
CROSS LISTED WITH THEATER AND MENS P E
244 HOCKEY 01.0 CR
1 09.00-10.30 T TH GYM 208 ILLNER
2 01.00-02.30 T TH GYM 208 ILLNER JULEE
273 DANCE WORKSHOP 02.0 CR
1 07.00-09.00 PM T TH 0813 101 GRAY WINSTON G
CROSS LISTED WITH THEATER DEPT
304A TECH-TEACH SPORTS 02.0 CR
PREREQ PEW 114
1 10.00-11.50 W F GYM 208 THORPE JOANNE LEE
2 11.00-12.30 W F GYM 208 BRECHTELSBAUER KAY
304B TECH-TEACH SPORTS 02.0 CR
PREREQ PEW 244
1 10.00-11.50 T TH GYM 208 ILLNER JULEE
311A TH OFFIC BASKETBALL 01.0 CR
1 09.00 F GYM 204 BRECHTELSBAUER KAY
312 HIST PHIL OF DANCE 04.0 CR
1 01.00 MTWTH GYM 204 DAVIDSON ELLEVA J
315 TCHG ELEM SCH ACT 04.0 CR
PREREQ PSYC 301 CR GUID 305
1 08.00 MTWTH GYM 114 STEHR JEAN
2 09.00 M W F PULL I 103 FRANKLIN
LAB 1000 M OR W CR TH
3 11.00 MT THF GYM 207 ZIMMERMAN HELEN
4 04.00-05.30 T TH GYM 208 ZIMMERMAN HELEN
5 04.00-05.30 M W GYM 208 ZIMMERMAN
352 HISTORY OF PHYS ED 02.0 CR
1 09.00 MTWTH GYM 204 DAVIES DOROTHY
MEETS FIRST SIX WEEKS
354 PRIN OF PHYS ED 02.0 CR
1 09.00 MTWTH GYM 204 DAVIES DOROTHY
MEETS LAST SIX WEEKS
370 TESTS MEAS PHY ED 03.0 TO 04.0 CR
1 08.00 MTWTH GYM 204 WEST CHARLOTTE
400 EVALUATION IN PE 04.0 CR
1 07.00-09.30 PM T GYM 204 WEST
CROSS LISTED WITH PEW
402 O-A INTRA + EX ACT 02.0 CR
1 07.00-08.50 PM W ARENA 125 WILKENSON
CROSSLISTED WITH PEW
475A IND RES-DANCE 02.0 TO 04.0 CR
1 TO BE ARRANGED
475B IND RES-KINESIOLOGY 02.0 TO 04.0 CR
1 TO BE ARRANGED
475C IND RES-MEASUREMENT 02.0 TO 04.0 CR
1 TO BE ARRANGED
475D IND RES-MOTOR DEVEL 02.0 TO 04.0 CR
1 TO BE ARRANGED

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475E  IND RES-PHSL OF EX      02.0 TO 04.0 CR
    1    TO BE ARRANGED
475F  IND RES-HIST + PHIL     02.0 TO 04.0 CR
    1    TO BE ARRANGED
500   TECH OF RESEARCH              04.0 CR
       PREREQ   PEW 4CC CR CONCURRENT ENRIN
                PEW 4CC
    1    07.00-09.30 PM  M          PARK    204      KNOWLTON
      CROSSLISTED WITH PEM
510A  MOTOR DEVEL                   02.0 CR
    1    05.00           M W        GYM     204  POTTER MARJOR
      CROSSLISTED WITH PEM
511   ANAL HUM PHYS MOVE            02.0 CR
    1    07.00-08.50 PM      TH     LAWSCN  201  GOOD LARRY
      CROSSLISTED WITH PEM
525   READINGS                01.0 TO 06.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
    1    TO BE ARRANGED
599   THESIS                  01.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DISSERTATION            02.0 TO 48.0 CR
    1    TO BE ARRANGED
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Physics (PHYS)

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111A  COLLEGE PHYSICS               03.0 CR
       PREREQ   MATH 111B CR H S EQUIV
    1    02.00           TWTHF    PARK    308  ZIMMERMAN J R
    2    02.00           TWTH     PARK    308
         02.00           M        PARK    308
112A  COLLEGE PHYS LAB              01.0 CR
       PREREQ   CONCURRENT ENR IN PHYS 111
    1    01.00-03.50     M        PHY SC  403
    2    06.00-08.50 PM  M        PHY SC  403
206A  COLLEGE PHYSICS               03.0 CR
       PREREQ   MATH 111B
    1    11.00           M W  F   PARK    308  SAPOROSCHENKO Y
         11.00            T       PARK    301
    2    11.00           M W  F   PARK    308  SAPOROSCHENKO Y
         11.00              TH    PARK    301
    3    01.00           MTW  F   PARK    308
    4    01.00           M WTHF   PARK    308
206B  COLLEGE PHYSICS               03.0 CR
       PREREQ   PHYS 206A CR 206C
    1    10.00           M W  F   PARK    309      LEFEBVRE C A
         11.00            T       PARK    309
206C  COLLEGE PHYSICS               03.0 CR
       PREREQ   PHYS 206B CR 206A
    1    11.00           M W  F   PARK    309
         11.00              TH    PARK    309
207A  COLLEGE PHYS LAB              01.0 CR
       PREREQ   CONCURRENT ENR IN PHYS 206
    1    08.00-10.50      T       PHY SC  403
    2    11.00-01.50        TH    PHY SC  403
    3    11.00-01.50          F   PHY SC  403
    4    02.00-04.50      T       PHY SC  403
    5    06.00-08.50 PM    W      PHY SC  403
207B  COLLEGE PHYS LAB              01.0 CR
       PREREQ   CONCURRENT ENR IN PHYS 206
    1    02.00-04.50      T       PHY SC  405
    2    02.00-04.50        TH    PHY SC  405
207C  COLLEGE PHYS LAB              01.0 CR
       PREREQ   CONCURRENT ENR IN PHYS 206
    1    02.00-04.50      T       PHY SC  407
211A  UNIVERSITY PHYSICS            03.0 CR
       PREREQ   MATH 150B
    1    09.00           M W  F   PARK    308
         11.00            T       PARK    308
    2    09.00           M W  F   PARK    308
         11.00              TH    PARK    308
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  3    09.00            M W  F    PARK     308
       12.00              TH     PARK     301
  4    10.00            M W  F    PARK     308      CARRELL JOHN CRAI
       12.00             T       PARK     308
  5    10.00            M W  F    PARK     308      CARRELL JOHN CRAI
       12.00              TH     PARK     308
  6    10.00            M W  F    PARK     308      CARRELL JOHN CRAI
       12.00             T       PARK     301
  7    06.00-07.25 PM   M W       PARK     308
       09.00             T       PARK     308
  8    06.00-07.25 PM   M W       PARK     308
       09.00               TH    PARK     308
11B  UNIVERSITY PHYSICS                03.0 CR
     PREREQ   PHYS 211A CR 211C
  1    09.00            M W  F    PARK     309      LEFEBVRE GERALD M
       12.00             T       PARK     309
  2    09.00            M W  F    PARK     309      LEFEBVRE GERALD M
       12.00               TH    PARK     309
11C  UNIVERSITY PHYSICS                03.0 CR
     PREREQ   PHYS 211A CR 211B
  1    01.00            M W  F    PARK     309
       01.00             T       PARK     309
  2    01.00            M W  F    PARK     309
       01.00               TH    PARK     309
12A  UNIVERSITY PHYS-LAB                01.0 CR
     PREREQ   CONCURRENT ENRL IN PHYS 211
  1    08.00-10.50         TH    PHY SC   403
  2    10.00-12.50           S   PHY SC   403
  3    11.00-01.50      T        PHY SC   403
  4    01.00-03.50       W       PHY SC   403
  5    02.00-04.50         TH    PHY SC   403
  6    02.00-04.50           F   PHY SC   403
  7    06.00-08.50 PM      TH    PHY SC   403
  8    06.00-08.50 PM   T        PHY SC   403
12B  UNIVERSITY PHYS-LAB                01.0 CR
     PREREQ   CONCURRENT ENRL IN PHYS 211
  1    08.00-10.50      T        PHY SC   405
  2    08.00-10.50        TH     PHY SC   405
12C  UNIVERSITY PHYS-LAB                01.0 CR
     PREREQ   CONCURRENT ENRL IN PHYS 211
  1    09.00-11.50        TH     PHY SC   407
  2    02.00-04.50        TH     PHY SC   407
200  UNIVERSITY PHYS IV                 04.0 CR
     PREREQ   PHYS 111, 206 CR 211
  1    03.00            MTW  F    PARK     301      CHANG-FANG CHUEN-
       04.00             T       PARK     301
       04.00-05.50        W      PHY SC   404
  2    03.00            MTW  F    PARK     301  CHANG-FANG CHUEN-C
       04.00             T       PARK     301  MARSHALL LAURISTON
       03.00-04.50         TH    PHY SC   404
  3    03.00            MTW  F    PARK     301
       04.00-05.50           F   PHY SC   404
       04.00             T       PARK     301
204  THERMODYNAMICS                     03.0 CR
  1    12.00            M W  F    PARK     301  CUTNELL JOHN D
205A INTRO ELEC THEORY                  03.0 CR
     PREREQ   MATH 305A CR CONS INSTR + PHYS
              111 CR 206 OR 211
  1    02.00            M W  F    PARK     309  FEARSON EDWIN F
209  ELECTRIC CIRCUITS                  03.0 CR
     PREREQ   PHYS 111C CR 206C OR 211C
  1    01.00            M W  F    LSII     450  WATSON RICHARD ELVIS
201  MECHANICS II                       03.0 CR
     PREREQ   MATH 407 AND PHYS 301
  1    03.00            M W  F    TECH A   122  CARRELL JOHN CRAIG
158  MODERN PHYSICS                     03.0 CR
     PREREQ   PHYS 415A
  1    10.00            M W  F    PHY SA   238     SCHLECHT RICHARD
188  MOD PHYSICS LAB          01.0 TO 04.0 CR
  1    TO BE ARRANGED                                ZITTER ROBERT N
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420   SPECIAL PROJECTS I      02.0 TO 05.0 CR
       PREREQ   PHYS 3C1 AND 3C5
    1    TO BE ARRANGED
449A  SERV INST-PHYS TEAC              01.0 CR
    1    09.00-11.50          S   PARK    301   NICKELL WM E
504A  X-RAY DIFF LAT DYN               04.0 CR
       PREREQ   GRAD STANDING
    1    11.00          M W         TECH B  143
         10.00-11.50      TH        TECH B  143
       CROSSLISTED WITH AE S 504A
510A  CLASSICAL MECHANICS              03.0 CR
       PREREQ   PHYS 4C1
    1    09.00           T TH S     PHY SC  410   SULLIVAN JOHN
511A  MATH METH OF PHYS                03.0 CR
       PREREQ   MATH 4C7 OR EQUIV, OR CONSENT
                OF INSTR
    1    08.00          M W  F      TECH A  122
520   SPECIAL PROJECTS        02.0 TO 05.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
530A  ELECTROMAG THEORY                03.0 CR
       PREREQ   PHYS 3C5
    1    09.00          M W         PHY SC  410
         09.00               F      TECH A  122
531A  QUANTUM MECHANICS                03.0 CR
       PREREQ   MATH 4C7, PHYS 415, OR CONSENT
                OF INSTR
    1    11.00          M W  F      PHY SA  258      FENNEBERG W
532A  ADV QUANTUM MECH                 03.0 CR
       PREREQ   PHYS 531 AND CONSENT OF INSTR
    1    11.00          M W  F      PHY SA  458
540A  NUCLEAR PHYSICS                  03.0 CR
       PREREQ   PHYS 531 AND CONSENT OF INSTR
    1    09.00           T TH S     PHY SA  458   FOGLIC MARIO
550A  AT AND MOL SPECTRA               03.0 CR
       PREREQ   PHYS 531 AND CONSENT OF INSTR
    1    10.00          M W  F      PHY SA  458
560A  STAT MECHANICS                   03.0 CR
       PREREQ   CONSENT OF INSTR
    1    12.00          M W  F      PHY SA  458   BOSE SUBIR K
575   GRAD SEMINAR           01.0 TO 04.0 CR
    1    TO BE ARRANGED
580   SEL TOPICS PHYS         03.0 TO 06.0 CR
    1    TO BE ARRANGED
592   COLLOQUY IN MOL SCI               01.0 CR
    1    03.00-05.50      M         PHY SB   440
599   THESIS                  01.0 TO 09.0 CR
    1    TO BE ARRANGED
600   DISSERTATION            01.0 TO 48.0 CR
       PREREQ   ADMISSION TO ADVANCED STUDY IN
                MOLECULAR SCIENCE
    1    TO BE ARRANGED
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Physiology (PHSL)

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300   HUMAN ANATOMY                    04.0 CR
    1    11.00          M T TH      LS I     16
    2    12.00          M T TH      LS I     16
315A  ADV COLLEGE PHSL                 05.0 CR
       PREREQ   GSA 2C1B AND 5 HRS CHEM
    1    08.00          M W  F      LS I    113   KAPLAN H M
         08.00-09.50     T TH       LS I    113
    2    08.00          M W  F      LS I    113
         09.00-10.50    M W         LS I    113
410A  ADVANCED ANATOMY                 05.0 CR
    1    02.00-03.50    M WTHF      LS I     18   FOOTE
415A  EXP ANIMAL SURGERY               04.0 CR
    1    10.00-11.50    M W  F      LS I    118   KAPLAN
417A  PRIN PHARMACOLOGY                03.0 CR
       PREREQ   BASIC COURSES IN CHEM AND BIO
                SCIENCE
    1    11.00          M W         S II O 1460      GASS GEORG H
         10.00-11.50         F      LS I    120
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43CA  CELLLLAR PHYSICLCGY                    04.0 CR
    1     09.00            M W  F    AG       225  DUNAGAN TOMMY TCLSON
          02.00-03.50       T       LS I      120
433   COMPAR PHYSIOLCGY                      04.0 CR
    1     01.00            M W  F    LS I      16  MILLER
          02.00-03.50      M         LS I      120
450   SPECIAL PROBLEMS        04.0 TO 16.0 CR
       PREREQ   CONSENT CF DEPT
    1     02.00-03.50      M W  F    LS I      113
          08.00-09.50           S    LS I      113
460A  MAMMALIAN PHSL                        04.0 CR
       PREREQ   ADEQUATE TRAINING IN BIO
                SCIENCES AND CHEM
    1     08.00            M W  F    LS I      113  KAPLAN H M
          08.00-09.50       T TH     LS I      113
    2     08.00            M W  F    LS I      113
          09.00-10.50      M W       LS I      113
465A  BIOPHYSICS                            03.0 CR
       PREREQ   1 YR OF PHYSICS
    1     09.00            M W  F    AG       216  RICHARDSON ALFRED W
471A  BIOPHYS INST                          03.0 CR
       PREREQ   1 YR OF PHYSICS AND CONSENT OF
                INSTR
    1     10.00             T THF    STAD       5  RICHARDSON
500   ADV SEMINAR             01.0 TO 09.0 CR
    1     04.00              W       LS I       16
521   PHYSIOLOGY READINGS     01.0 TO 06.0 CR
       PREREQ   CONSENT CF DEPT
    1     TO BE ARRANGED
599   THESIS                  03.0 TO 09.0 CR
    1     03.00-04.50      MTWTHF    LS I      109
600   DISSERTATION            04.0 TO 36.0 CR
    1     03.00-04.50      MTWTHF    LS I      117
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Plant Industries (PL I)

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109   PRIN-FIELD CROP PRC                    04.0 CR
    1     10.00            M W  F    AG       166  ELKINS
          10.00-11.50         TH     AG       171
    2     10.00            M W  F    AG       166  ELKINS
    3     10.00            M W  F    AG       166  ELKINS
          10.00-11.50       T        AG       171
264   GEN HORTICULTURE                       04.0 CR
    1     08.00            MTW       AG       168  HILLYER IRVIN GEORGE
          08.00-09.50         F      AG       181
    2     08.00            MTW       AG       168  HILLYER IRVIN GEORGE
          10.00-11.50         F      AG       181
304   LANDSCAPE DESIGN                       04.0 CR
    1     01.00             T TH     AG       170     COORTS GERALD D
          01.00-02.50      M    F    AG       195
306A  SOIL + WATER CONS                      03.0 CR
       PREREQ   PL I 103
    1     11.00            M W  F    AG       166  JONES JOE H
306B  SOIL + WATER CONS                      02.0 CR
       PREREQ   PL I 306A CR CONCURRENT ENR
                IN 306A
    1     11.00-12.50       T TH     AG       195
    2     03.00-04.50       T TH     AG       195
      CROSS-LISTED WITH AG I 306B
310   MORPH OF CROP PLANT                    04.0 CR
       PREREQ   GSA 2018 CR EQUIVALENT
    1     03.00            M W  F    AG       171     ELKINS DONALD M
          03.00-04.50       T        AG       171
344   GEN FLORICULTURE                       04.0 CR
       PREREQ   PL I 264 CR CONSENT OF
                DEPARTMENT
    1     08.00            M W  F    AG       170  COORTS
          08.00-09.50       T        AG       181
359   INTERN PROGRAM          03.0 TO 05.0 CR
       PREREQ   JR STANDING
    1     TO BE ARRANGED
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381   PLANT SCIENCE SEM          C1.0 TO 02.0 CR
       PREREQ   SENICR STANDING
    1    C4.00              T        AG       170  CCORTS
39C   SPEC STUD PLANTS           C1.0 TO 06.0 CR
       PREREQ   CONSENT CF DEPT CHAIRMAN
    1    08.00-11.50             S   AG       171      LEASURE JCH
391   HONORS IN PLANT INC        C1.0 TO 06.0 CR
       PREREQ   JR STAND, 4.0 GPA(4.25 IN MAJ)
                ,+ CONSENT OF DEPT CHM
    1    TO BE ARRANGED
404   TURF MANAGEMENT                 03.0 CR
       PREREQ   GSA 2C1B
    1    1C.00           M W        AG       116  TWEEDY JAMES A
         1C.CO-11.50        F       AG       171
408   WORLD CROP PRODUCT              04.0 CR
       PREREQ   PL I 3C9
    1    02.00           M W  F     AG       220  FCRTZ
         C1.00-02.50      T         AG       220
418   WEEDS-THEIR CONTRCL             04.0 CR
       PREREQ   GSA 201B CR CCNCURRENT
                ENROLLMENT
    1    C9.00           M W  F     AG       220      LEASURE JCH
         C8.00-09.50        TH      AG       171
438   ADV STUD-VEGET CROP             03.0 CR
       PREREQ   PL I 264, BOT 320, OR CONSENT
                OF DEPARTMENT
    1    11.00           MTW        AG       170
507   ADV SOIL FERTILITY              03.0 CR
       PREREQ   PL I 4C7A
    1    C4.00           MT   F     AG       155
518   PRIN-HERBICIDE ACT              04.0 CR
       PREREQ   BOT 32C, PL I 418
    1    01.00           MTWTH      AG       171  TWEEDY
520   READINGS                C1.0 TO 06.0 CR
       PREREQ   CONSENT CF DEPT
    1    TO BE ARRANGED
575   RESEARCH                C1.0 TO 06.0 CR
       PREREQ   CONSENT CF DEPT
    1    TO BE ARRANGED
    2    TO BE ARRANGED                                  TWEEDY JAMES A
    3    TO BE ARRANGED
581   SEMINAR                 C1.0 TO 06.0 CR
    1    C4.00              TH      AG       181
59C   SPEC STUDIES-PL I       01.0 TO 04.0 CR
    1    TO BE ARRANGED
599   THESIS                  C1.0 TO 09.0 CR
    1    TO BE ARRANGED
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Psychology (PSYC)

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211A  PRIN-METH OF PSYC               04.0 CR
       PREREQ   GSB 2C1C
    1    08.CO           M W  F     0861     101  RADTKE ROBERT
         08.00-09.50      T         0861     102
    2    08.00           M W  F     0861     101  RADTKE ROBERT
         08.00-09.50        TH      0861     102
    3    01.CO           M WTH      0875     102
         C1.00-02.50      T         AG       150
    4    C1.00           M WTH      0875     102
         01.00-02.50         F      AG       154
211B  PRIN-METH OF PSYC               04.0 CR
       PREREQ   211A
    1    11.00           M W  F     PHY SC   156
         10.00-11.50      T         PHY SC   156
    2    11.00           M W  F     PHY SC   156
         1C.00-11.50        TH      PHY SC   156
301   CHILD PSYCH                     04.0 CR
       PREREQ   GSB 2C1C
    1    08.00            T THF     WHAM     302  SCMERVILL
         08.00              W       PARK     308
    2    02.00           MTWTH      WHAM     302      WENDT
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303   ADOLESCENT PSYCH                    04.0 CR
       PREREQ   GSB 201C
    1    12.00            MTWTH    LAWSCN  201  WENDT RACHEL
305   PSYCH PERSONALITY                   04.0 CR
       PREREQ   GSB 201C
    1    08.00             TWTHF   PARK    111     FRATICW
    2    01.00            M WTHF   LAWSCN  221  MACLEAN G DONALD
307   SOCIAL PSYCHOLOGY                   04.0 CR
       PREREQ   GSB 201C
    1    11.00            M W      WHAM    308
         11.00               TH    PULL     38
         11.00                  F  LAWSCN  131
    2    03.00-04.50       T TH    AG      166  MITCHELL
311   EXP PSYCH LEARN                     04.0 CR
       PREREQ   PSYC 211B
    1    08.00            MT TH    AG      188  MELTZER DONALD
         08.00-09.50         W     H EC    122
    2    01.00            M W  F   AG      170  SCHNECK
         01.00-02.50         TH    AG      216
312   EXP PSYC PERCEP                     04.0 CR
       PREREQ   PSYC 211B
    1    10.00-11.50         W  F   CL       25  LIT ALFRED
313   EXP PSYC MOTIV                      04.0 CR
       PREREQ   PSYC 211B
    1    03.00             T TH    TECH A  122  SCHNECK
         02.00-03.50      M        AG      222
         03.00                 F   PHY SC  458
314   EXP PSYC COMP PHYS                  04.0 CR
       PREREQ   PSYC 211B
    1    11.00            M W  F   AG      150  LEVITT ROBERT A
         11.00-12.50         TH    TECH A  120
320   INDUSTRIAL PSYCH                    04.0 CR
       PREREQ   GSB 201C
    1    11.00            MTW  F   AG      224  HILL JAMES W
    2    03.00-04.50       T TH    LAWSCN  121  WESTBERG WILLIAM C
399B  RES + INV - HONORS                  02.0 CR
       PREREQ   CONSENT OF DEPT CHAIRMAN
    1    10.00-11.50       T       AG      154
408   TH OF MOTIVATION                    04.0 CR
       PREREQ   PSYC 211B OR CONSENT OF INSTR
    1    01.00-02.50      M  TH    AG      188  EHRENFREUND DAVID
421   PSYCH TESTS + MEAS                  04.0 CR
       PREREQ   8 HRS OF PSYC
    1    09.00-10.50       T TH    AG      188
425   MATH PSYCHOLOGY                     04.0 CR
       PREREQ   MATH 401A, 421A, AND 480A OR
                CONSENT OF INSTR
    1    10.00-11.50      M        WHAM    212     FITZ
         10.00               W  F  WHAM    212
431   PSYCOPATHOLOGY                      04.0 CR
       PREREQ   305 OR CONSENT OF INSTR
    1    10.00             T TH    PARK    308  FRATICW MICHAEL JR
         10.00              W  F   PULL     38
440   TH OF PERSONALITY                   04.0 CR
       PREREQ   PSYC 305 OR CONSENT OF INSTR
    1    09.00            MTW  F   PARK    111     HARREN
451   ADVACED CHILD PSYC                  04.0 CR
       PREREQ   PSYC 211B, AND 301 OR CONSENT
                OF INSTRUCTOR
    1    03.00-04.50      M W      AG      148  COONNELL JAMES P
465   GRP DYN-IND BEHAV                   04.0 CR
       PREREQ   307 OR CONSENT OF INSTR
    1    01.00-02.50      M  TH    AG      224
490   INDEPEN PROJECTS        01.0 TO 16.0 CR
       PREREQ   CONSENT OF INSTR AND DEPT
                CHAIRMAN
    1    TO BE ARRANGED
495   SELECTED TOPICS         01.0 TO 18.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
    2    03.00-04.50      M W      COMM   1021  MITCHELL
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      SEC 2 BLACK STUDIES C4.0 CR
510   HISTORY + SYSTEMS                    04.0 CR
       PREREQ   CONSENT OF INSTR
    1    08.00              T THF   AG       218  MCHOSE JAMES HA
         08.00                W     H EC     122A
514A  PHYSIOLOGICAL PSYCH                  04.0 CR
       PREREQ   CONSENT OF INSTR
    1    10.00-11.50              S   WHAM     212
         09.00              M W  F   WHAM     212
516   LEARNING PROCESSES                   04.0 CR
       PREREQ   CONSENT OF INSTR
    1    01.00-02.50      M W        PHY SC   278  MELTZER
523   RESEARCH SEMINAR                     02.0 CR
       PREREQ   PSYC 522
    1    01.00-02.50            F    WHAM     208  RINGUETTE EUGEN
530   PERS THEOR + DYN                     04.0 CR
       PREREQ   CONSENT OF INSTR
    1    01.00              M  TH    AG       220  SCHILL THOMAS R
         01.00                W  F   AG       224
538   GROUP PSYCHOTHERAPY                  02.0 CR
       PREREQ   PSYC 537 AND CONSENT OF INSTR
    1    10.00-11.50          TH     PHY SC   278      FARREN
543A  PSYCHODIAGNOSTIC II                  04.0 CR
       PREREQ   PSYC 541 OR CONSENT OF INSTR
    1    03.00-04.50      M W        PHY SC   358  RAFFERTY JANET
         04.00                TH     PHY SC   358
547   ASSESS PROCED COUNS                  04.0 CR
       PREREQ   PSYCH 421 OR CONSENT OF
                INSTRUCTOR
    1    02.00-03.50      M  TH     PHY SC   458  VAN ATTA
554   DEVELOPMENTAL THEOR                  02.0 CR
       PREREQ   PSYC 451 OR CONSENT OF INSTR
    1    TO BE ARRANGED                             SOMERVILL JOHN
556   PSYCH TREAT CHILD                    02.0 CR
       PREREQ   PSYC 451 OR CONSENT OF INSTR
    1    10.00-11.50          W       H EC     122A BEKKER
581   PSYCHOPHYSICAL MET                   04.0 CR
       PREREQ   CONSENT OF INSTR
    1    03.00-04.50        T TH      WHAM     203  LIT ALFRED
590   READINGS-PSYC              01.0 TO 16.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
591   RESEARCH IN PSYC           01.0 TO 36.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
593E  PRACT-CLIN PSYC            01.0 TO 18.0 CR
       PREREQ   CONSENT OF INSTR IN CHARGE
    1    TO BE ARRANGED                             RADER
      ADVANCED STUDENTS
    2    TO BE ARRANGED                             BEKKER
      ADVANCED STUDENTS
    3    01.00-03.50          TH     0481     202  SHOEMAKER
    4    01.00-03.50          TH     0481     202  RINGUETTE
593F  PRACT-COUNS PSYC           01.0 TO 18.0 CR
       PREREQ   CONSENT OF INSTR IN CHARGE
    1    TO BE ARRANGED
    2    TO BE ARRANGED                             SNYDER
593H  PRACT-INDUST PSYC          01.0 TO 18.0 CR
       PREREQ   CONSENT OF INSTR IN CHARGE
    1    TO BE ARRANGED                             WESTBERG WILLI
593J  PRACT-CHILD PSYC           01.0 TO 18.0 CR
       PREREQ   CONSENT OF INSTR IN CHARGE
    1    TO BE ARRANGED                             CDONNELL
593L  PRACT-TEACHING PSYC        01.0 TO 18.0 CR
       PREREQ   CONSENT OF INSTR IN CHARGE
    1    TO BE ARRANGED                             CARRIER NEIL AN
595   ADVANCED SEMINAR           01.0 TO 18.0 CR
       PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED                             CLINICAL STAFF
    2    TO BE ARRANGED
    3    TO BE ARRANGED                                HILL
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    4    TC BE ARRANGED                                    RADTKE
    5    11.00-12.50        T    F    WHAM     212   MCHOSE
599  THESIS                      01.0 TO 09.0 CR
    1    TC BE ARRANGED
600  DISSERTATION                01.0 TO 45.0 CR
    1    TC BE ARRANGED
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Radio-Television (R - T)

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161  RADIO-TV SPEAKING                  04.0 CR
    1    09.00              MTWTH    COMM    1016
    2    11.00              MTWTH    COMM    1016   FILDRETH RICHARD
    3    03.00              MTWTH    COMM    1016   RICHTER E WALTER
251  SURVEY OF BROADCAST                03.0 CR
    1    10.00              M W  F   COMM    1046
    2    12.00              M W  F   COMM    1046
252  PRODUCTION ANALYSIS                03.0 CR
    1    10.00              MT TH    COMM    1046     DYBVIG HOMER EUGE
    2    01.00              MT TH    COMM    1046
260  AUDIO CONTROL PRACT                01.0 CR
    1    12.00-01.50         T       COMM     52C    HALL CHARLES J JR
    2    12.00-01.50           TH    COMM     52C    HALL CHARLES J JR
    3    03.00-04.50        M        COMM     52C
    4    03.00-04.50          W      COMM     52C
310  RADIO - TV NEWS                    03.0 CR
      PREREQ   JRNL 103, 201, 202 AND 303
    1    01.00              M W  F   COMM    1016   DUGAS PAUL JOSEPH
351  PROGS AND AUDIENCES                05.0 CR
      PREREQ   R-T 251
    1    09.00              MTWTHF   COMM    1046     DYBVIG HOMER EUGE
352  LAWS AND POLICIES                  04.0 CR
      PREREQ   R-T 251
    1    02.00              MTWTH    COMM    1046     RIMERMAN MARVIN H
360  RADIO ANNOUNCING                   03.0 CR
      PREREQ   R-T 161 PASSED WITH A MINIMUM
               GRADE OF C
    1    12.00              M W  F   COMM    1016   BROWN WILLIAM E
363  RADIO PRODUCTION                   04.0 CR
      PREREQ   R-T 260
    1    10.00-11.50            F    COMM    1016   RICHTER E WALTER
         07.00-10.00 PM       TH     COMM    1016   RICHTER E WALTER
    2    02.00-03.50            F    COMM    1016
         07.00-10.00 PM       W      COMM    1016
364  TV PRODUCTION                      04.0 CR
      PREREQ   R-T 252
    1    10.00              M WTH    COMM    1015     PICTOR ROBERT R
         10.00-11.50         T       COMM    1015   PICTOR ROBERT R
    2    10.00              M WTH    COMM    1015   PICTOR ROBERT R
         10.00-11.50            F    COMM    1015   PICTOR ROBERT R
    3    01.00              M WTH    COMM    1015
         01.00-02.50         T       COMM    1015
369  TV DIRECTING                       04.0 CR
      PREREQ   R-T 364
    1    08.00               T TH    COMM    1015   ROCHELLE DAVID B
         TC BE ARRANGED                             ROCHELLE DAVID B
370  TELEVISION FILMS                   02.0 CR
    1    11.00-12.50           TH     COMM    1046   MENDENHALL HARLAN H
373  ADV RADIO PROD LAB          01.0 TO 02.0 CR
      PREREQ   R-T 363 OR CONCURRENT ENR IN
               R-T 363
    1    04.00               T TH    COMM    1046   LYNCH CHARLES T
374  ADV TV PROD LAB             01.0 TO 02.0 CR
      PREREQ   R-T 364
    1    05.00              M        COMM    1046   LAFFERTY REN A
375  PROB RAD-TV PROG            01.0 TO 04.0 CR
    1    03.00-04.50         T       COMM    1046   RIMERMAN MARVIN H
377  R-TV ADVERTISING                   03.0 CR
      PREREQ   JRNL 370 AND 371
    1    04.00              M W  F   COMM    1046   DYBVIG HOMER EUGENE
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383   BROADCAST WRITING                    04.0 CR
       PREREQ   R-T 363 AND 364
    1    08.00              M W      COMM   1016  LYNCH CHARLES T
         08.00-09.50          F      COMM   1016  LYNCH CHARLES T
393   RADIO-TV + SOCIETY                   03.0 CR
       PREREQ   R-T 251, 351, 352
    1    11.00              M W  F   COMM   1046  RIMERMAN MARVIN
430   PUB AFF + R-T ESTAB                  03.0 CR
    1    06.00-09.00 PM   M           COMM   1046  RIMERMAN
464   PUB AFFAIRS-TV PROC                  03.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    06.00-09.00 PM     T         COMM   1046
475   INDIV PRODUCT PROB        01.0 TO 04.0 CR
    1    03.00                 TH     COMM   1046  ROBBINS
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Recreation and Outdoor Education (REC)

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201   LEISURE AND REC                      03.0 CR
    1    08.00              TW       AG      224     OBRIEN WILLI
         08.00                  F    AG      216
202   PROG IN REC                          03.0 CR
       PREREQ   REC 201
    1    09.00              M W  F   BAILEY  130  OBRIEN WILLIAM
301   OUTDOOR EDUCATION                    04.0 CR
    1    10.00-11.50         T TH     WARREN  129     CHRISTIE ROB
    2    01.00-03.00        M W       0629    201
302   INSTITUTIONAL REC                    03.0 CR
    1    06.00-07.50 PM   M W        H EC    106  GIDEON
310   SOCIAL RECREATION                    03.0 CR
       PREREQ   REC 201, 202
    1    01.00-02.50         T TH     WHAM    137  TAYLOR
320   NATURE INTERPRET                     03.0 CR
    1    09.00-11.30              S   CL       25     CHRISTIE ROB
325   LEISURECRAFTS                        03.0 CR
       PREREQ   REC 201, 202
    1    03.00-04.50           TH     H EC    120  TAYLOR
         03.00-04.50         T        WHAM    326
330   CAMPCRAFT                            03.0 CR
    1    09.00-11.30              S   WHAM    312  ABERNATHY
340   REC ACT FOR SP POP                   03.0 CR
       PREREQ   REC 302
    1    01.00              M W  F   WHAM    301B FREEBURG
365   ORG ADMIN-COMM REC                   04.0 CR
       PREREQ   REC 201, 202, AND 15 HRS IN
                REC
    1    10.00               T TH     0862    102  OBRIEN WILLIAM
         10.00              M W       AG      148
380   FIELD WORK                01.0 TO 04.0 CR
       PREREQ   20HRS RECREATION
    1    TO BE ARRANGED                                ABERNATHY WILL M
390   INTERNSHIP IN REC                    16.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
425   REC AREAS AND FAC                    03.0 CR
    1    10.00              M W       WHAM    317  ABERNATHY WILL M
         10.00                 TH     WHAM    312
500   PRIN OF REC                          04.0 CR
    1    06.30-09.00 PM     T         H EC    120  RIDINGER WILLI  H
510   OUTDOOR ED WKSHP                     04.0 CR
    1    06.30-09.00 PM   M           0875    102     FREEBURG
       FIELD TRIP
525   SPEC POP WKSHOP                      04.0 CR
    1    06.30-09.00 PM      W        CL      326  FREEBURG
530   REC PROGRAM WORKSHP                  04.0 CR
       PREREQ   REC 500
    1    06.30-09.00 PM       TH     H EC    118  RIDINGER WILLI  H
540   SURV + PLAN OF FAC                   04.0 CR
    1    06.30-09.00 PM   M           0875    101  TAYLOR LOREN E EN
570   SEM-REC + OUT ED                     04.0 CR
    1    06.30-09.00 PM   M           CL      326
596   INDEPENDENT STUDY         02.0 TO 09.0 CR
    1    TO BE ARRANGED                                FREEBURG WM H
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Rehabilitation (REHB)

414 DEV EMP OPPORT 01.0 TO 16.0 CR
PREREQ SPECIAL STANDING OR CONSENT OF INSTR
1 TO BE ARRANGED VIECELI + DICKEY

417 REHB-ECON DEPRIVED 04.0 CR
1 05.45-09.15 M WHAM 302 SCHUMACHER BROCKMAN

420 HUMAN DEV AND BEH 03.0 TO 04.0 CR
PREREQ ADVANCED STANDING
1 07.35-09.15 PM T TH WHAM 202 SULZER EDWARD S

480 INTRO TO REHB 02.0 CR
1 01.00-02.50 M PULL 43 VIECELI + LEE
01.00-02.50 W WHAM 319

485 SCIENTIFIC METHOD 04.0 CR
1 10.00-11.50 M W H EC 104 SANDERS RICHARD M

490 READINGS IN REHB 01.0 TO 06.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED STAFF

501A REHB ADMINISTRATION 02.0 CR
PREREQ CONSENT OF INSTR
1 05.45-07.15 T WHAM 329 LEE ROBERT EDWARD

511 VOCATIONAL CHOICE 02.0 TO 04.0 CR
PREREQ CONSENT OF INSTR
1 09.00-10.50 S COMM 1017 LEE ROBERT EDWARD

520 FUNCT ANAL OF BEHAV 04.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 03.00-04.50 M W PULL 41 CAMPBELL ROBERT L

537 DIAG PROC-SPEC POP 04.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED COYLE

551 GEN REHB COUNSELING 03.0 TO 04.0 CR
PREREQ CONSENT OF DEPARTMENT
1 09.00-04.30 MTWTHFS 0406 102 GARDNER MARGARET S
SECT IS OFFERED FOR 4 CREDIT HRS
2 05.45-09.15 TH LS I 44 GRENFELL

561 PSYC-SOC ASPECT-DIS 02.0 TO 03.0 CR
PREREQ CONSENT OF DEPARTMENT
1 01.00-02.50 W CL 25 SCHUMACHER BROCKM

567 SCH-RELATED BEHAV 04.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 03.00-04.50 M W CL 326 HOPKINS BILLY L

571 SEM IN SEL TOPICS 01.0 TO 06.0 CR
PREREQ CONSENT OF DEPT
1 TO BE ARRANGED STAFF
CONSENT OF INSTR REQUIRED

576 SEM IN BEHAV MODIFI 01.0 TO 12.0 CR
PREREQ CONSENT OF INSTR
1 03.00-04.50 T CL 25 HOPKINS

578 SEM IN CORR REH CC 01.0 TO 06.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED GRENFELL JOHN E
2 TO BE ARRANGED

585A PRACTICUM IN REHAB 01.0 TO 12.0 CR
1 TO BE ARRANGED LEE ROBERT EDWARD

585B PRACTICUM IN REHAB 01.0 TO 12.0 CR
1 TO BE ARRANGED HOPKINS

585C PRACTICUM IN REHAB 01.0 TO 24.0 CR
1 TO BE ARRANGED SCHUMACHER BROCKMAN

589 INTERNSHIP IN REHAB 00.0 TO 12.0 CR
PREREQ REHB 585 AND CONSENT OF DEPT
1 TO BE ARRANGED STAFF

590 INDEPENDENT PROJ 01.0 TO 16.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED STAFF

591 RESEARCH IN REHAB 01.0 TO 16.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED STAFF

599 THESIS 01.0 TO 09.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED STAFF

Religious Studies (RELS)

320A BIBLICAL STUDIES 03.0 CR
PREREQ JUNICR STANDING OR CONSENT OF INSTRUCTOR

1	04.00	M W F	WHAM	305	BARGEBUHR

330A HIST WES REL THOUGH 03.0 CR
PREREQ JUNICR STANDING OR CONSENT OF INSTRUCTOR

1	03.00	M W F	WHAM	328	

Secondary Education (S ED)

310 HIST PRIN OF SEC ED 04.0 CR
PREREQ GUID 305/PSYC 303,ADMISSION TO TCHR ED PROGRAM

1	08.00	THF	WHAM	208	STAFF
	08.00	M	WHAM	228	
	08.00	W	WHAM	201	
2	09.00	TH	WHAM	317	KEEFER
	09.00	M W F	WHAM	305	
3	09.00	M W F	WHAM	326	MEES
	09.00	TH	LAWSCN	121	
4	10.00	M WTHF	WHAM	326	BUSER

CO-REQISITE FOR SEC 4 IS SEC ED 315 SECT 2

5	10.00	M WTHF	WHAM	328	
6	11.00	M W F	WHAM	312	AIKMAN
	11.00	TH	WHAM	321	
7	12.00	M WTHF	WHAM	326	STAFF
8	01.00	M WTHF	WHAM	326	MEES
9	02.00	M WTHF	WHAM	326	FLIGER
10	02.00	M WTHF	WHAM	308	AIKMAN
11	03.00	M WTHF	WHAM	326	STAFF
12	04.00	M WTHF	WHAM	326	STAFF
13	05.45-07.25	M W	WHAM	326	STAFF
14	05.45-07.25	1 TH	WHAM	303	STAFF

315 SEC SCOL TEACH METH 04.0 CR
PREREQ S ED 310 CR CONCURRENT ENROLL

1	09.00	W	WHAM	312	STEPHENS
	09.00	THF	WHAM	302	
	09.00	M	0875	102	
2	11.00	M WTHF	WHAM	326	FLIGER

CO-REQUISITE FOR SECT 2 IS SEC ED 310 SECT 4

3	12.00	M WTH	WHAM	319	STAFF
	12.00	F	WHAM	328	

352 SEC STUD TCH 08.0 TO 16.0 CR

1 TO BE ARRANGED
AGRICULTURE

2 TO BE ARRANGED
ART

3 TO BE ARRANGED
BIOLOGY

4 TO BE ARRANGED
BUSINESS

5 TO BE ARRANGED
CHEMISTRY

6 TO BE ARRANGED
ECONOMICS

7 TO BE ARRANGED
ENGLISH

8 TO BE ARRANGED
FOREIGN LANGUAGE

9 TO BE ARRANGED
GENERAL STUDIES

10 TO BE ARRANGED
GEOGRAPHY

11 TO BE ARRANGED
GOVERNMENT

12 TO BE ARRANGED
HEALTH EDUCATION

```
   13    TO BE ARRANGED
     HISTORY
   14    TO BE ARRANGED
     HOME ECONOMICS
   15    TO BE ARRANGED
     INDUSTRIAL EDUCATION
   16    TO BE ARRANGED
     JOURNALISM
   17    TO BE ARRANGED
     MATH
   18    TO BE ARRANGED
     MUSIC
   19    TO BE ARRANGED
     PHYSICAL EDUCATION
   20    TO BE ARRANGED
     PHYSICS
   21    TO BE ARRANGED
     SOCIOLOGY
   22    TO BE ARRANGED
     SOCIAL STUDIES
   23    TO BE ARRANGED
     SPEECH
   24    TO BE ARRANGED
     LIBRARY SCIENCE
   25    TO BE ARRANGED
     LANGUAGE ARTS
375A  IND RES-CURRICULUM      02.0 TO 04.0 CR
    1    TO BE ARRANGED
375B  IND RES-SUPERVISION     02.0 TO 04.0 CR
    1    TO BE ARRANGED
375C  IND RES-LANG ARTS       02.0 TO 04.0 CR
    1    TO BE ARRANGED
375D  IND RES-SCIENCE         02.0 TO 04.0 CR
    1    TO BE ARRANGED
375E  IND RES-READING         02.0 TO 04.0 CR
    1    TO BE ARRANGED
375F  IND RES-SOC STUDIES     02.0 TO 04.0 CR
    1    TO BE ARRANGED
375G  IND RES-PROB S ED       02.0 TO 04.0 CR
    1    TO BE ARRANGED
375H  IND RES-JR HIGH MET     02.0 TO 04.0 CR
      PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
440   TEACH READ IN H S             04.0 CR
      PREREQ   GUID 305
    1    09.00          MTWTH    WHAM    319     STAFF
    2    04.00          MTWTH    WHAM    329     STAFF
485   PRIN-PHIL VO TEC ED           03.0 CR
      PREREQ   STUDENT TEACHING OR CONSENT OF
               DEPARTMENT
    1    09.00-11.30          S   WHAM    321  RAMP
487   TCH NAT SCI-SEC SCH           04.0 CR
      PREREQ   S ED 310 OR CONCURRENT
    1    12.00          M W  F   WHAM    208  STAFF
         12.00             TH    WHAM    321
488   SOC ST IN SEC SCH             04.0 CR
      PREREQ   S ED 310 OR CONCURRENTLY
    1    08.00          M WTHF   WHAM    326  STAFF
    2    03.00          M W  F   WHAM    203  STAFF
         03.00             TH    WHAM    205
506   READING IN SEC SCH            04.0 CR
      PREREQ   S ED 352 OR TEACHING
               EXPERIENCE
    1    06.30-09.00 PM    W       WHAM    212  DUSENBERY MIRIAM C
507   READINGS IN READING    02.0 TO 04.0 CR
      PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED                        DUSENBERY
509   PRACTICUM IN RD        04.0 TO 08.0 CR
      PREREQ   S ED 521C
    1    TO BE ARRANGED                    FISHCC
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516   INTERN IN READING          C4.0 TO 12.0 CR
       PREREQ   S ED 505 AND 514
    1    TO BE ARRANGED                          HILL
521A  DIAG-CORR READ DIS                 04.0 CR
       PREREQ   505 OR 440 OR CONCURRENT REG
                WITH 505 + TEACH EXPER
    1    TO BE ARRANGED                          FISCHC
    2    09.00-12.50            S   WHAM   144      CUSENBERY
561   CURRICULUM                         04.0 CR
    1    06.30-09.00 PM     W       WHAM   312   FISHBACK
562   SEC SCHO CURRICULUM                04.0 CR
    1    06.30-09.00 PM  M          WHAM   308   KEEFER DARYLE
564   SEC S PRINCIPALSHIP                04.0 CR
    1    06.30-09.00 PM     W       WHAM   208      STEPHENS
571   SEM IN CURRICULUM                  04.0 CR
       PREREQ   ELED 561 OR S EC 562 OR EQUIV
    1    06.30-09.00 PM   T         WHAM   328   BUSER
575A  IND RES-CURRICULUM       02.0 TO 04.0 CR
    1    TO BE ARRANGED                          CLIVA PETER F
575B  IND RES-SUPERVISION      02.0 TO 04.0 CR
    1    TO BE ARRANGED                          CLIVA PETER F
575C  IND RES-LANG ARTS        02.0 TO 04.0 CR
    1    TO BE ARRANGED                             CUSENBERY
575D  IND RES-SCIENCE          02.0 TO 04.0 CR
    1    TO BE ARRANGED                             STAFF
575E  IND RES-READING          02.0 TO 04.0 CR
    1    TO BE ARRANGED                             HILL
575F  IND RES-SOC STUDIES      02.0 TO 04.0 CR
    1    TO BE ARRANGED                             STAFF
575G  IND RES-SEC EDUC         02.0 TO 04.0 CR
    1    TO BE ARRANGED                          CLIVA PETER F
575K  IND RES-JR H METHOD      02.0 TO 04.0 CR
    1    TO BE ARRANGED
596   INDEPENDENT INVEST       05.0 TO 09.0 CR
    1    TO BE ARRANGED                             CUSENBERY FISCH
599   THESIS                   03.0 TO 09.0 CR
    1    TO BE ARRANGED                          CLIVA PETER F
600   DISSERTATION             01.0 TO 48.0 CR
    1    TO BE ARRANGED                             HILL OLIVA
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Secretarial and Business Education (SEC)

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201A  TYPEWRITING                        03.0 CR
    1    08.00            TWTHF   CL        13
    2    09.00           MTWTH    CL        13
    3    12.00           MT THF   CL        13
201B  TYPEWRITING                        03.0 CR
       PREREQ   SEC 201A OR EQUIV
    1    08.00            TWTHF   CL        13
    2    09.00           MTWTH    CL        13
    3    12.00           MT THF   CL        13
201C  TYPEWRITING                        03.0 CR
       PREREQ   SEC 201B OR EQUIV
    1    11.00           M WTHF   CL        13
221A  SHORTHAND-TRANS                    04.0 CR
    1    03.00           MTWTHF   CL        17
221B  SHORTHAND-TRANS                    04.0 CR
       PREREQ   SEC 221A OR EQUIV
    1    03.00           MTWTHF   CL        17
221C  SHORTHAND-TRANS                    04.0 CR
       PREREQ   SEC 221B OR EQUIV
    1    03.00           MTWTHF   CL        13
241   DUPLICATING                        01.0 CR
       PREREQ   SEC 201 OR EQUIV
    1    08.00-09.50          F   CL        10
    2    10.00-11.50       T      CL        10
    3    01.00-02.50        W     CL        10
    4    03.00-04.50     M        CL        10
242   CALC MACH ACCTANTS                 01.0 CR
    1    11.00            T TH    CL        17      BAUERNFEIND
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304   ADV TYPE +KEY PUNCH                    03.0 CR
       PREREQ   SEC 201-S
    1    02.00              MTWTHF    CL        13      BURGER CPAL JUNE
324A  ADV SHORTHAND-TRANS                    04.0 CR
       PREREQ   SEC 221C CR EQUIV
    1    01.00              MTWTHF    CL        17      RAHE
324B  ADV SHORTHAND-TRANS                    04.0 CR
       PREREQ   SEC 324A CR EQUIV
    1    01.00              MTWTHF    CL        13      GARRISON
326   EXECUTIVE SEC PROC                     04.0 CR
       PREREQ   SEC 304
    1    10.00              MTWTHF    CL        13  BAUERNFEIND HARRY B
341   OFFICE CALC MCHNS                      04.0 CR
    1    09.00              MTWTHF    CL        17      BAUERNFEIND
403   TEACH TYPEWRITING                      03.0 CR
       PREREQ   SEC 304 CR EQUIV
    1    04.00               TWTH     CL        13  RAHE
405   TEACH GEN BUS SUBJ                     03.0 CR
    1    07.35-09.00 PM     T TH      CL        17      BUBOLTZ VAN A
408   TCH BKPG ACCT /P/                      03.0 CR
       PREREQ   ACCT 251B CR EQUIV
    1    06.00-07.25 PM     T TH      CL        17  BAUERNFEIND HARRY B
411   WRKSHP IN BUS ED          01.0 TO 06.0 CR
       PREREQ   SENIOR STANDING
    1    09.00-11.30              S   CL        17
417   DATA PROC IN BUS ED                    04.0 CR
    1    05.45-07.25       M W            CL        17
485   PRIN-PHIL VO TEC ED                    03.0 CR
       PREREQ   STUDENT TEACHING OR CONSENT OF
                DEPARTMENT
    1    09.00-11.30              S   TECH A  208  BAUERNFEIND
510   IMPROV INSTR IN SEC                    04.0 CR
       PREREQ   SEC 403 CR 404 CR 406
    1    09.00-11.30              S   CL        17  JACOBSON
590   READINGS IN BUS ED        02.0 TO 05.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
591   IND RES IN BUS ED         02.0 TO 05.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
599   THESIS                    01.0 TO 09.0 CR
    1    TO BE ARRANGED
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Sociology (SOC)

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301   PRINCIPLES OF SOC                      04.0 CR
       PREREQ   JR STANDING
    1    10.00              T THF     WHAM     112  MARTIN THOMAS W
         10.00                W       WHAM     302
      RESERVED FOR SOC MAJORS ONLY
302   CONTEMP SOC PROB                       04.0 CR
       PREREQ   ONE COURSE IN SOC
    1    08.00              TW        CL        24  ALIX ERNEST K
         08.00                THF     WHAM     319
      SEC 1-RESERVED FOR SOC MAJORS ONLY
    2    09.00              MTW       WHAM     302  MCMILLIN DAN
         09.00                   F    0875     101
    3    01.00              MT        LAWSON   131  SMITH MARGARET R
         01.00                W       WHAM     208
         01.00                   F    LAWSON   231
308   STAT FOR SOC SCI                       04.0 CR
       PREREQ   JR STANDING OR CONSENT OF
                INSTR
    1    TO BE ARRANGED                                HAWKES
335   URBAN SOCIOLOGY                        04.0 CR
       PREREQ   GSB 2018 CR SOC 301
    1    03.00-04.50       T TH      WHAM     328  HALL FRANK C
      RESERVED FOR SOC MAJORS ONLY
338   INDUSTRIAL SOC                         04.0 CR
       PREREQ   GSB 2018 CR SOC 301
    1    03.00              MT TH     WHAM     201  RUSSEL ROBERT D
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        03.00              W       AG       116
      RESERVED FOR SCC MAJORS
340   THE FAMILY                          04.0 CR
       PREREQ   GSB 2C1B CR SOC 301
    1    12.00              MTWTH    WHAM     112  LANTZ HERMAN R
      RESERVED FOR SCC MAJORS
372   CRIMINOLOGY                         04.0 CR
       PREREQ   GSB 2C1B CR SOC 301
    1    08.00              M W  F   0861     102  MCMILLIN
         08.00               T       0871     101
      RESERVED FOR SCC MAJORS
374   SOCIOLOGY OF ED                     04.0 CR
       PREREQ   GSB 2C1B CR SCC 301
    1    12.00               T THF    PHY SC   160  MARTIN THOMAS W
         12.00                W       WHAM     203
375   SOCIAL WELFARE                      04.0 CR
       PREREQ   GSB 2C1B CR SCC 301
    1    09.00               T THF    WHAM     112  EADES JOSEPH
         09.00                W       0871     101
      SEC 1-RESERVED FOR SCC MAJORS
    2    11.00               TWTHF    WHAM     112  EADES JOSEPH
383   INTROD INTERVIEWING                 04.0 CR
       PREREQ   GSB 2C1B CR SCC 301
    1    10.00              MT THF    WHAM     319  BROWN FOSTER S
    2    02.00              MTWTH     AG       144  BRELJE MARTHA E
      SEC 1 RESERVED FOR SCCMAJORS
396   READINGS IN SOC          01.0 TO 05.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED
396H  HONORS READINGS-SCC      01.0 TO 04.0 CR
       PREREQ   CONSENT OF DEPARTMENT
    1    TO BE ARRANGED
412   SOCIOLOGICAL RES                    04.0 CR
       PREREQ   GRAD STATUS OR CONSENT OF
                INSTR
    1    01.00-02.50         T TH     LSII     146      BROOKS MELVIN S
460   SOC OF MEDICINE                     04.0 CR
       PREREQ   TWO COURSES IN SCC OR CONSENT
                OF INSTR
    1    02.00-04.50         M W      WHAM     202  RAINEY MICHAEL
472   AM CORRECT SYSTEM                   04.0 CR
       PREREQ   SOC 372 OR CONSENT OF INSTR
    1    06.30-09.30 PM      W        0685     102  JOHNSON ELMER H
473   JUVENILE DELIN                      04.0 CR
       PREREQ   TWO COURSES IN SOC OR PSYC OR
                CONSENT OF INSTR
    1    06.30-09.30 PM       TH      WHAM     203  EYNON THOMAS
      MEETS AT CENTER FOR THE STUDY OF CRIME
481   PROC IN SOC WORK                    04.0 CR
       PREREQ   SOC 375 OR CONSENT OF INSTR
    1    03.00              MTWTH     AG       214  BRELJE MARTHA E
482   SOC WK-SEL AGENCIES                 03.0 CR
       PREREQ   SOC 481 AND CONSENT OF INSTR
    1    11.00              MT TH     LSII     430      BROWN
489E  INDEPT STUDY CORRS       02.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTR
    1    TO BE ARRANGED                                 JOHNSON ELMER H
501   SURVEY SOCIOL THEC                  04.0 CR
       PREREQ   SOC 451 OR CONSENT OF INSTR
    1    03.00-05.30         T        WHAM     212  MUNCH PETER AND A
519   METH FOUND SOC SCI                  04.0 CR
       PREREQ   PHIL 42C OR CONSENT OF INSTR
    1    03.00-05.30         M        LSII     430      MUNCH
521   SEM SOC PSYCH                       04.0 CR
       PREREQ   SOC 426
    1    03.00-05.30          TH      WHAM     212  DUNCAN HUGH DAL E
539   SOC OF BUREAUCRACY                  04.0 CR
       PREREQ   15 HRS OF SOC OR CONSENT OF
                INSTR
    1    07.00-09.30 PM       TH      WHAM     212  HALL
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562 DEVIANCE + DISCRG 04.0 CR
PREREQ 15 HRS CF SOC CR CONSENT OF INSTR
1 07.00-09.30 PM 1 WHAM 212 SNYDER CHARLES R
583 SUPER FIELD WK CCRR 04.0 TO 12.0 CR
PREREQ CONSENT CF INSTR
1 TO BE ARRANGED JCHNSCN ELMER H
591 INDIVIDUAL RESEARCH 02.0 TO 06.0 CR
PREREQ CONSENT CF INSTR AND DEPT CHAIRMAN
1 TO BE ARRANGED
596 READINGS IN SOC 02.0 TO 12.0 CR
PREREQ CONSENT CF INSTR AND DEPT CHAIRMAN
1 TO BE ARRANGED
599 THESIS 02.0 TO 09.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED
600 DISSERTATION 01.0 TO 48.0 CR
PREREQ CONSENT CF DEPT CHAIRMAN
1 TO BE ARRANGED

Special Education (SP E)

200 ORIENT ED EXC CHILD 02.0 CR
1 10.00 1 TH WHAM 302
2 02.00 M W H EC 206
3 02.00 TH LS I 16
02.00 1 WHAM 308
ALL SECTIONS SP E 200 OPEN TO FRESH AND SOPH ONLY
410A PROB + CHAR-EMO CHI 04.0 CR
PREREQ SP E 414
1 06.30-09.00 PM 1 LAWSCN 201 JUUL
410B PROB CHAR MENT RET 04.0 CR
PREREQ SP E 414
1 03.00 M1WTH WHAM 302 STEPHENS WYATT E
410C PROB CHAR GIFT CHLD 04.0 CR
PREREQ PSYC 301 CR 303 OR CONSENT OF INSTR
1 06.30-09.00 PM 1 WHAM 326 CASEY
410D PROB CHAR ACOUS HDC 04.0 CR
PREREQ PSYC 301 CR 303 OR CONSENT OF INSTR
1 02.00 M1WTH WHAM 301A CRITTENDEN
411 ASS + REMED LRN DIS 04.0 CR
PREREQ SP E 414 AND CONSENT OF INSTR
1 06.30-09.00 PM M WHAM 206 JOINER
413A DIR OBSER-EMOT DIST 04.0 CR
PREREQ CONSENT CF INSTR
1 06.00-08.00 PM TH WHAM 137
413B DIR CB OF MR CHILD 04.0 CR
PREREQ CONSENT CF INSTR
1 10.00-12.50 1 WHAM 326 STEPHENS WYATT E
414 THE EXCEPT CHILD 04.0 CR
PREREQ PSYC 301 CR 303 OR CONSENT OF INSTR
1 09.00 1 TH WHAM 308
09.00 M W AG 168
UNDERGRADUATES ONLY
2 01.00 M1WTH WHAM 302
UNDERGRADUATES ONLY
3 06.30-09.00 PM TH WHAM 308 MCKAY B ELIZABETH
GRADUATES ONLY
420A MET + MAT-ED EM DIS 04.0 CR
PREREQ SP E 410A AND CONSENT CF INSTR
1 04.00-06.00 1 TH WHAM 206 JUUL
420B METH + MAT TEACH MR 04.0 CR
PREREQ SP E 410B AND CONSENT CF INSTR
1 06.30-09.00 PM W WHAM 122 RAINEY DAN S

421 SPCH FOR ACOUS HDCP 04.0 CR
PREREQ SP+A 2CC
1 09.CO MTWTH COMM 1009 CRITTENDEN JERI
496 READ + INDEP STUDY 02.0 TO 08.0 CR
PREREQ SP E 414 AND CONSENT OF STAFF
1 TO BE ARRANGED
501 SPEC RES PROB 04.0 CR
PREREQ CONSENT OF STAFF
1 TO BE ARRANGED JCINER
513 ORG ADM SP CLASSES 04.0 CR
PREREQ SP E 414
1 06.30-09.00 PM TH WHAM 208 MORGAN HOWARD (
517 ATYP CHILD SOC AGEN 04.0 CR
PREREQ SP E 414 CR CONSENT OF INSTR
1 06.30-09.00 PM W WHAM 208 MORGAN HOWARD (
577 PRACTICUM IN SP ED 04.0 TO 12.0 CR
PREREQ SP E 410A, B, C, OR D, AND
CONSENT OF STAFF
1 TO BE ARRANGED
590 ED CH WITH MEN DEV 04.0 CR
PREREQ CONSENT OF INSTR
1 TO BE ARRANGED STEPHENS
590 RESTRICTED TO POSTMASTERS STUDENTS
596 IND INVESTIGATION 05.0 TO 09.0 CR
1 TO BE ARRANGED
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED
600 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED

Speech (SPCH)

102 PUBLIC SPEAKING 04.0 CR
PREREQ GSD 103
1 02.00 MTWTH COMM 1020 HIBBS
2 03.00 MTWTH COMM 1020 WILEY RAYMOND
104 TRAINING SPKG VOICE 04.0 CR
PREREQ GSD 103
1 08.00 MT THF COMM 1006
201 PARLIAMENTARY LAW 02.0 CR
1 03.00 T TH WHAM 208
202 PRIN OF DISCUSSION 03.0 CR
1 11.00 M WHAM 319 GOODIEL EUNICE
11.00 T TH PHY SA 358
2 02.00 WTHF COMM 1022 POTTER DAVID J
3 04.00 MT TH COMM 1020 WILEY RAYMOND
203 INTERPERSONAL COMM 04.0 CR
PREREQ GSD 103 OR EQUIV
1 01.00 MTWTH TECHA 420 SANDERS
209 FORENSIC ACTIVITIES 01.0 TO 03.0 CR
PREREQ CONSENT OF INSTR
1 10.00-11.50 S COMM 2005 KLEINAU
301 PERSUASION 04.0 CR
1 03.00 MTWTH COMM 1022 SMITH WILLIAM
309 FORENSIC ACTIVITIES 01.0 TO 04.0 CR
PREREQ CONSENT OF INSTR
1 10.00-11.50 S COMM 2005 KLEINAU
313 SPEECH COMPOSITION 04.0 CR
PREREQ SPCH 102
1 01.00 TWTHF COMM 1020 CLARK
323 ORAL INTERP II 04.0 CR
PREREQ GSC 200 OR CONSENT OF INSTR
1 09.00 MTWTHF COMM 1020 ANDERSON
2 11.00 MT THF WHAM 301A ANDERSON
331 PR POLICIES + PRACT 03.0 CR
PREREQ JUNIOR STANDING
1 11.00 MTWTH AG 168 WILEY
401 CREATIVE DRAMATICS 04.0 CR
1 09.00 M LS II 450 BRADLEY LYNN R
09.00 W PULL 39
09.00 T TH FELTS 130

406 TCHG SEC SCHL SPCH 04.0 CR
PREREQ 16 HRS OF SPCH
1 08.00-09.50 T TH COMM 2012 HIGGINBOTHAM
407A AMER PUBLIC ADDRESS 04.0 CR
1 10.00-11.50 T TH COMM 2012 BRADLEY EARL EDSEL
425 TECH DISC LDRSHIP 03.0 CR
1 TO BE ARRANGED POTTER DAVID J
428 COMM THEORIES + MOD 04.0 CR
1 02.00-03.50 M W COMM 1018 JENNINGS
434 LEC + LEC RECITAL 04.0 CR
PREREQ 12 HRS PUBLIC SPEAKING, INTERP, OR THEATRE
1 02.00-03.50 M W COMM 2012 ANDERSON
435 STUDIES IN ORG COMM 04.0 CR
PREREQ SPCH 303
1 TO BE ARRANGED SMITH
450A LAB INTERPER COM 04.0 CR
1 10.00-11.50 M CL 326 JENNINGS
10.00-11.50 W COMM 1006
2 02.00-03.50 T TH COMM 2012 PACE THOMAS J
500 SURV CLASSICAL RHET 04.0 CR
1 10.00-11.50 M W COMM 2012 MICKEN RALPH A
507A STUDIES IN PUB ADD 03.0 CR
PREREQ SPCH 407A AND B
1 09.00-11.50 F COMM 2012 BRADLEY EARL EDSEL
511A TEACH COLL SPEECH 02.0 CR
1 01.00 M W COMM 2012 SMITH WILLIAM DAVID
526 ORAL LANG BEHAVIOR 04.0 CR
1 10.00-11.50 M COMM 1020 HIGGINBOTHAM
10.00-11.50 T TH COMM 1020
530 RESEARCH PROBLEMS 01.0 TO 04.0 CR
1 TO BE ARRANGED BRADLEY EARL EDSEL
532A RESEARCH IN SPEECH 02.0 CR
1 01.00 T TH COMM 2012 BRADLEY EARL EDSEL
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED MICKEN RALPH A
600 DISSERTATION 01.0 TO 48.0 CR
1 TO BE ARRANGED MICKEN RALPH A

Speech Pathology and Audiology (SP & A)

100 SPEECH CLINIC 00.0 TO 02.0 CR
1 TO BE ARRANGED
104 TRAINING SPK VOICE 04.0 CR
1 08.00 M T THF COMM 1006
200 PHONETICS 04.0 CR
1 02.00 M TWTH COMM 1006 GARBUTT CAMERON W
212 ARTIC PROB DELAY SP 04.0 CR
PREREQ SP+A 200 OR CONCURRENT ENROLLMENT IN 200
1 11.00 M T THF COMM 1006 PACE SUE ANN
400 IND STUDY-SP+A 01.0 TO 04.0 CR
PREREQ ADVANCED STANDING
1 TO BE ARRANGED COPELAND
405A PRAC SP + HEAR THER 02.0 TO 04.0 CR
PREREQ JUNIOR STANDING IN DEPARTMENT
1 02.00 T TH COMM 1009 PACE SUE ANN
409 RES TECH SPEECH SCI 04.0 CR
PREREQ ADVANCED SPEECH STUDENTS OR CONSENT OF INSTR
1 01.00 M T THF COMM 1006 BRUTTEN GENE JEROME
416 INTRO TO AUDIOLOGY 04.0 CR
PREREQ JR STANDING OR CONSENT OF INSTR
1 09.00 M T THF COMM 1006 MCFARLAND WILLIAM H
428 SP CORR FOR CL TCH 04.0 CR
PREREQ PRACTISING TEACHER, SR OR GRAD IN EDUC
1 03.00 M TWTH COMM 1006 GARBUTT CAMERON W
515 READINGS IN SP+A 01.0 TO 04.0 CR
PREREQ ADVANCED STANDING
1 TO BE ARRANGED BRACKETT I P

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520   SEM-PHYSIOL ACCUST              04.0 CR
       PREREQ   SP+A 406, 416
    1    10.00-11.50      M  TH     COMM   1009  COPELAND ALFRED
522A  SEM-ORG SPCH PROB      01.0 TO 04.0 CR
       PREREQ   GRAD STANDING IN DEPT
    1    03.00-04.50      M  TH     COMM   1007  KOEPP-BAKER HER
529A  SEM IN ST BEHAVIOR     01.0 TO 04.0 CR
       PREREQ   CONSENT OF INSTRUCTOR
    1    03.00-04.50       T   F    COMM   1009  BRUTTEN GENE JE
530   RES PROB IN SP+A       01.0 TO 04.0 CR
       PREREQ   ADVANCED STANDING
    1    TO BE ARRANGED                          HOSHIKO MICHAEL
534   SEM INSTRUMENTATION    01.0 TO 04.0 CR
    1    10.00-11.50       T   F    COMM   1009  HOSHIKO MICHAEL
536   SEM ADMIN-SP-HEAR      01.0 TO 04.0 CR
    1    TO BE ARRANGED                          BRACKETT
599   THESIS                 02.0 TO 09.0 CR
    1    TO BE ARRANGED                          KOEPP-BAKER HER
600   DISSERTATION           01.0 TO 48.0 CR
    1    TO BE ARRANGED                          BRACKETT I P
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Technical & Industrial Education (TIED)

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100   ORIENTATION                     02.0 CR
    1    08.00            M W       PULL     14
201A  VISUAL COMMUNICATNS             03.0 CR
    1    10.00            M    F    PULL     17  KENNEKE LARRY
         09.00-10.50        W       PULL     17
    2    10.00            M    F    PULL     17  KENNEKE LARRY
         09.00-10.50          TH     PULL     17
207   ENER CONV-POW TRANS             03.0 CR
    1    11.00            M W       PULL I   16  SULLIVAN JAMES
         08.00-09.50       T        PULL I   16
    2    11.00            M W       PULL I   16  SULLIVAN JAMES
         10.00-11.50       T        PULL I   16
302   CONSTR MTDS PRI TCH             04.0 CR
    1    10.00             TW       PULL I  109
         08.00-10.50      M         PULL I  109
         08.00-09.50        W       PULL I  109
    2    10.00             TW       PULL I  109
         08.00-09.50       T        PULL I  109
         08.00-10.50         TH     PULL I  109
303   DIVERSIFIED CRAFTS              04.0 CR
    1    02.00             TW       PULL I  109
         12.00-02.50      M         PULL I  109
         12.00-01.50        W       PULL I  109
    2    02.00             TW       PULL I  109
         12.00-01.50       T        PULL I  109
         12.00-01.50         TH     PULL I  109
    3    04.00             TW       PULL I  109
         03.00-05.50      M         PULL I  109
         03.30-04.50        W       PULL I  109
    4    04.00             TW       PULL I  109
         03.00-04.50       T        PULL I  109
         03.00-05.50         TH     PULL I  109
319   INDUSTRIAL INTERN      03.0 TO 24.0 CR
       PREREQ   CONSENT OF COORDINATOR
    1    TO BE ARRANGED
408   T AIDS IN TECH ED               03.0 CR
    1    06.00-08.30 PM    T       TECH D  130  KENNEKE LARRY
    2    06.00-08.30 PM      TH    TECH D  130
419   STU TCH IN TECH PRC    08.0 TO 16.0 CR
       PREREQ   9 QTR HRS PROFESSIONAL COURSES
    1    TO BE ARRANGED                          STADT
420A  ENTRPRS-MANMACH SYS             04.0 CR
       PREREQ   20 HRS IN TECHNICAL AND
                INDUSTRIAL EDUCATION
    1    04.00            M W       PULL     14  NYSTROM DENNIS
         03.00-04.50        F       PULL     14
421   PRIN ENTRPRS TEACH              03.0 CR
       PREREQ   16 HOURS IN TIED
    1    02.00            M WTH     TECH D  130
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422 CURR DEVEL ENTRPRIS 03.0 CR
PREREQ 20 HOURS IN TIED
1 03.00 M WTH TECH D 130 NYSTROM
425 PRACTICUM IN TECH 02.0 TO 08.0 CR
PREREQ 12 HRS IN TECHNICAL SUBJECTS
1 TO BE ARRANGED
430 SPECIAL PROBLEMS 02.0 TO 08.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
485 PRIN-PHIL VO TEC ED 03.0 CR
PREREQ .
1 09.00-11.30 S TECH A 208 RAMP WAYNE S
488 ANAL FOR OCCUP ED 03.0 CR
PREREQ 12 HRS IN TEACHING SPECIALTY
1 06.00-08.30 PM W TECH A 208 BERTZ
490 PRIN OCCUP TEACH 03.0 CR
PREREQ 12 HRS IN TEACHING SPECIALTY
1 06.00-08.30 PM T TECH A 210
505 SUPER OF IND ED 04.0 CR
1 06.00-09.00 PM T TECH A 122 BITTLE
510 PLAN OCCUP ED 04.0 CR
1 06.00-09.00 PM TH TECH A 208 BITTLE
550 COL TCH IND-TEC SUB 04.0 CR
1 06.00-09.00 PM W TECH B 20 ERICKSON
570 SPECIAL INVESTIGAT 02.0 TO 06.0 CR
1 TO BE ARRANGED STADT RONALD W
599 THESIS 01.0 TO 09.0 CR
1 TO BE ARRANGED STADT RONALD W

Theater (THEA)

11A STAGING TECHNIQUES 03.0 CR
1 09.00 M W F COMM 1037 HENDREN PHILIP R
03.00-04.50 M COMM 1057
2 09.00 M W F COMM 1037
03.00-04.50 W COMM 1057
3 09.00 M W F COMM 1037
03.00-04.50 F COMM 1057
11B STAGING TECHNIQUES 03.0 CR
1 12.00 M W F COMM 1045 HENDREN PHILIP R
03.00-04.50 T COMM 1057
2 12.00 M W F COMM 1045
03.00-04.50 TH COMM 1057
11C STAGING TECHNIQUES 03.0 CR
1 03.00 MTWTHF COMM 2041 HORN BOBBY E
203 VOICE AND DICTION 04.0 CR
1 11.00 MTWTH COMM 1017 GARBUTT CAMERON W
207 FUNDS OF TH DES 04.0 CR
1 10.00 MT THF COMM 2041 PAYNE DARWIN R
208 DRAMATIC ACTIVITIES C1.0 TO 03.0 CR
1 07.35-09.00 PM T TH COMM 1045 ZDECKLER CHARLES
213 STAGE MOVEMENT 03.0 CR
1 12.00 MTWTHF 0813 101 DAVIDSON ELLEVA J
217 ACTING 04.0 CR
1 01.00-02.50 T TH COMM 1045 HARRISON EELIN S
2 01.00-02.50 M W COMM 1037
230A BEGIN TECH BALLET 02.0 CR
1 04.00-05.50 M W 0813 111 DAVIDSON ELLEVA J
04.00 T 0813 111
CROSS-LISTED WITH PEW 230A
240 THEO-TECH CONT DNCE C2.0 TO 24.0 CR
1 10.00-11.50 MTWTH 0813 111 GRAY WINSTON G
CROSS-LISTED WITH PEW 240
273 DANCE WORKSHOP C1.0 TO 06.0 CR
1 07.00-09.00 PM T TH 0813 111 GRAY
CROSS-LISTED WITH PEW 273
305 STAGE MAKE-UP 02.0 CR
1 01.00 W F COMM 1055 HORN BOBBY E
10.00-11.50 S COMM 1055
308 DRAMATIC ACTIVITIES 01.0 TO 03.0 CR
1 07.35-09.00 PM T TH COMM 1045 ZDECKLER CHARLES W

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311   INT TO PLAYWRITING                    04.0 CR
       PREREQ   1 COURSE IN DRAMATIC LIT AND
                CONSENT OF INSTR
    1    09.00            MTW  F    COMM   2040   MCE CHRISTIAN
312   HIST + PHIL DANCE                     04.0 CR
    1    01.00            MTWTH     0813    111   DAVIDSON ELLEV
      CROSS-LISTED WITH PEM 312
322   THEATER PRACTICUM        02.0 TO 12.0 CR
    1    08.00-11.00      MTWTHF    COMM   1037   ZDECKLER CHARL
         12.00-05.00      MTWTHF    COMM   1037
402A  PLAY DIRECTING                       04.0 CR
    1    01.00-02.50      M W       COMM   1045   ABRAMS SHERWIN
404   THEATRE MANAGEMENT                    04.0 CR
    1    12.00            MTWTH     COMM   1017   ABRAMS SHERWIN
502   ADV DIRECTING                         04.0 CR
    1    10.00            MT THF    COMM   1045
503A  SCENE DESIGN                          04.0 CR
       PREREQ   CONSENT OF DEPT + GRAD
                STANDING
    1    11.00            MTW  F    COMM   2041   FAYNE DARWIN R
504   THE COMIC THEATRE                     04.0 CR
    1    03.00-04.50      M W       TECH A  120   MCE
519   THEATRE PRACTICUM        01.0 TO 12.0 CR
    1    08.00-11.00      MTWTHF    COMM   1037   ZDECKLER CHARL
         12.00-05.00      MTWTHF    COMM   1037
526   SEM IN THEATRE ARTS      03.0 TO 12.0 CR
       PREREQ   GRAD STANDING + CONSENT
                OF DEPARTMENT
    1    09.00-11.50          S     LAWSON  101
530   RESEARCH PROBLEMS        01.0 TO 04.0 CR
    1    TO BE ARRANGED
599   THESIS                   01.0 TO 09.0 CR
    1    TO BE ARRANGED
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Zoology (ZOOL)

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102   GEN INVERT ZOOLOGY                    05.0 CR
       PREREQ   GSA 2C1B
    1    02.00             T TH     AG       166   BLACKWELDER R
         08.00-09.50       M W  F   LS I      130
    2    02.00             T TH     AG       166   BLACKWELDER R
         10.00-11.50       M W  F   LS I      130
    3    02.00             T TH     AG       166   BLACKWELDER R
         01.00-02.50       M W  F   LS I      130
    4    02.00             T TH     AG       166   BLACKWELDER R
         03.00-04.50       M W  F   LS I      130
103   GEN VERT ZOOLOGY                      05.0 CR
       PREREQ   GSA 2C1 A + B
    1    08.00             M W      AG       166   GEORGE WILLIAM
         08.00-09.50       T TH S   LS I      208
    2    08.00             M W      AG       166   GEORGE WILLIAM
         10.00-11.50       T TH S   LS I      208
    3    08.00             M W      AG       166   GEORGE WILLIAM
         01.00-03.50       T TH     LS I      208
    4    08.00-09.00       M W      AG       166   GEORGE WILLIAM
         01.00-03.50       M W      LS I      208
300   VERT EMBRYOLOGY                       05.0 CR
       PREREQ   ZOOL 2C2
    1    12.00             M W  F   LS I      205   HAAS HERMANN J
         12.00-01.50       T TH     LS I      213
322   PROBLEMS IN ZOOLOGY      02.0 TO 05.0 CR
       PREREQ   4.25 GPA,SENIOR STANDING,AND
                DEPT OR FAC APPROVAL
    1    TO BE ARRANGED
382   ZOOL SENIOR SEMINAR      00.5 TO 01.5 CR
       PREREQ   SENIOR STANDING
    1    01.00             T        LS I      205      MCPHERSON
    2    03.00                F     LS I      205   BEATTY JOSEPH
    3    04.00               W      LS I      205      DYER
400   ANIMAL TAXONOMY                       02.0 CR
       PREREQ   1 YR OF BIOLOGY OR CONSENT
                OF INSTRUCTOR
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    1    08.00            M     F    LS I    205  BLACKWELDER R E
401  GENETICS                          05.0 CR
      PREREQ   15 QRT HRS OF BIO SCIENCE AND
               CONSENT OF INSTRUCTOR
    1    09.00            M W  F    LS I    205  ENGLERT DUWAYNE C
         10.00-11.50      M    F    LS I    209
402  NAT HIST INVERT                   04.0 CR
      PREREQ   1 YR OF ZOOL INCLUDING 102
    1    08.00             T TH     LS I    205  BEATTY JOSEPH ALBERT
         08.00-09.50         TH S   LS I    130
    2    03.00             T TH     LS I    205  BEATTY JOSEPH ALBERT
         10.00-11.50         TH S   LS I    130
404  ZOOLOGY FIELD STUD      02.0 TO 08.0 CR
      PREREQ   CONSENT OF DEPT
    1    TO BE ARRANGED
407  PARASITOLOGY                      05.0 CR
      PREREQ   1 YR OF ZOOL INCLUDING 102
    1    09.00             T TH     LS I    205     DYER
         08.00-09.50      M W  F    LS I    213
409  HISTOLOGY                         05.0 CR
      PREREQ   ZOOL 202
    1    10.00            M W  F    LS I    205  MARTAN JAN
         10.00-11.50       T TH     LS I    211
410  VERT PALEONTOLOGY                 05.0 CR
      PREREQ   ZOOL 202 OR GEOLOGY 301
    1    10.00            MTWTH     LS I    204
         11.00             T TH     LS I    204
415  LIMNOLOGY                         04.0 CR
      PREREQ   1 YR OF ZOOLOGY, INCLUDING
               ZOOL 102
    1    03.00            M W       LS I    205  STAHL JOHN B
         01.00-04.50           F    LS I    211
461  MAMMALOGY                         04.0 CR
      PREREQ   1 YR OF ZOOL INCLUDING 103
    1    02.00            M W       LS I    205  STAINS HOWARD JAMES
         01.00-04.50          TH     LS I    204
463  WILDLIFE MANAGEMENT               04.0 CR
      PREREQ   15 HRS OF BIOLOGICAL SCIENCE,
               CONSENT OF INSTRUCTOR
    1    02.00            M W       AG      166  KRULL JOHN N
         08.00-11.50           F    LS I    204
    2    02.00            M W       AG      166
         01.00-04.50          TH     LS I    211
    3    02.00            M W       AG      166
         01.00-04.50           F    LS I    204
    4    02.00            M W       AG      166
         08.00-11.50             S  LS I    204
466  FISH MANAGEMENT                   04.0 CR
      PREREQ   15 HRS OF BIOLOGICAL SCIENCE,
               CONSENT OF INSTRUCTOR
    1    01.00            M W       LS I    204  LEWIS WILLIAM M
         01.00-04.50       T        LS I    204
512  ANIMAL GEOGRAPHY                  03.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    11.00            M W  F    LS I    205  STAHL JOHN B
514  ADVANCED ENTOMOLOGY               04.0 CR
      PREREQ   ZOOL 471
    1    03.00             T TH     LS I    213  MCPHERSON JOHN E
         03.00-04.50      M W       LS I    213
525  CYTOLOGY                          05.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    03.00            M W  F    LS I    315  CLAH LESLIE
         03.00-04.50       T TH     LS I    315
    CROSSLISTED WITH BOTH 525
578  POPULATION GENETICS               04.0 CR
      PREREQ   CONSENT OF INSTRUCTOR
    1    10.00-11.50       T TH     LS I    205  ENGLERT DUWAYNE C
581  READING CURRENT LIT               03.0 CR
      PREREQ   GRAD STATUS IN A BIO SCIENCE
    1    12.00            M W  F    LS I    323
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582 GRAD ZOOL SEMINAR 01.0 TO 06.0 CR
1 TO BE ARRANGED
583A TEACH ZOOL COLL 01.0 CR
PREREQ GRAD STAILS IN A BIO SCIENCE
1 05.00 W LS I 205 FISHER
585E SEM-WILDLIFE MGT 01.0 TO 03.0 CR
PREREQ CONSENT OF INSTR
1 08.00 TWTH LS I 205
596 SPECIAL RESEARCH 03.0 TO 12.0 CR
PREREQ CONSENT OF INSTRUCTOR
1 TO BE ARRANGED
599 THESIS 02.0 TO 09.0 CR
1 TO BE ARRANGED
600 DISSERTATION 03.0 TO 48.0 CR
1 TO BE ARRANGED

SCHEDULE OF VOCATIONAL-TECHNICAL INSTITUTE COURSES

COURSE & SECTION NO.	TITLE & HOURS	DAYS	BLDG. & RM.	INSTRUCTOR

General Studies Area A—Man's Physical Environment and Biological Inheritance (GSA)

101A INTRO-PHYS SCIENCE 04.0 CR
901 09.00 MTWTH M3 103
902 10.00 MTWTH M3 103 COLLINS JASON
903 01.00 MTWTH M3 103 COLLINS JASON
904 03.00 MTWTH M3 103
101B INTRO-PHYS SCIENCE 04.0 CR
901 11.00 MTW F F3 144 HARTUNG FRANK
902 12.00 MTWTH F3 144 SMITH

General Studies Area B—Man's Social Inheritance and Social Responsibilities (GSB)

201B CULT-SOCIETY BEHAV 04.0 CR
901 12.00 MTWTH L3 109
201C CULT-SOCIETY-BEHAV 04.0 CR
901 09.00 MTWTH HI 143
902 10.00 MTWTH HI 143
903 11.00 MTWTH HI 143
904 12.00 MTWTH HI 143
905 01.00 MTWTH HI 143
906 03.00 MTWTH AVTECH 116
211A POLITICAL ECONOMY 04.0 CR
901 12.00 MTWTH L2 105 CHOATE
902 04.00 MTWTH L2 105 CHOATE
211B POLITICAL ECONOMY 04.0 CR
901 08.00 MTWTH HI 143 SHIN
902 09.00 MTWTH MI 112 SHIN
903 11.00 MTWTH AVTECH 116 CISSELL
904 01.00 MTWTH H3 151
905 03.00 MTWTH HI 143 CISSELL
906 04.00 MTWTH HI 143 CISSELL

General Studies Area D—Organization and Communication of Ideas (GSD)

101 ENGLISH COMPOSITION 03.0 CR
901 08.00 M W F H3 153
902 08.00 M W F H4 233
903 09.00 M W F H3 153
904 09.00 M W F H9 101
905 10.00 M W F H3 153
906 10.00 M W F FI 108
907 11.00 M W F H3 153
908 12.00 M W F H3 153
909 01.00 M W F H3 153
910 01.00 M W F H9 101
911 02.00 M W F H3 153

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 912     02.00              M  W  F    L3        109
 913     03.00              M  W  F    H3        153
 914     03.00              M  W  F    H9        101
 915     04.00              M  W  F    H3        153
 916     04.00              M  W  F    AVTECH    116
02   ENGLISH COMPOSITION                  03.0 CR
 901     08.00              M  W  F    H9        101     CHENOWETH
 902     12.00              M  W  F    FI        111     CUNNINGHAM
03   ORAL COMM OF IDEAS                   03.0 CR
 901     08.00              MTWTH      AVTECH    116  WORKUN ARTHUR
 902     10.00              MTWTH      H9        101  WORKUN ARTHUR
 903     11.00              MTWTH      H9        101  WORKUN ARTHUR
 904     12.00              MTWTH      H9        101     BEAVEN
 905     02.00              MTWTH      H9        101     BEAVEN
 906     04.00              MTWTH      H9        101     BEAVEN
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Mathematics (MATH)

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11A  COL ALGEBRA TRIG                     05.0 CR
 901     09.00              MTWTHF     L3        109  VENABLE CHARLES
 902     03.00              MTWTHF     H3        151
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Accounting (*ACC)

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01A  ACCOUNTING                           04.0 CR
   1     08.00              M     F    FI        111
         08.00-09.50          T TH     FI        111
   2     09.00              M     F    FI        108
         09.00-10.50          T TH     FI        108
   3     11.00              M     F    FI        111
         11.00-12.50          T TH     FI        111
   4     12.00              M     F    FI        108
         12.00-01.50          T TH     FI        108
   5     02.00              M     F    FI        111
         02.00-03.50          T TH     FI        111
09A  CALC MACH                            03.0 CR
   1     09.00              MTWTHF     FI        113  VANCIL ALICE L
   2     11.00              MTWTHF     FI        113  JOHNSTON CHESTER E
   3     02.00              MTWTHF     FI        113     VANCIL
   4     03.00              MTWTHF     FI        113     JOHNSTON
   5     06.30-09.00 PM       T TH     FI        113  JOHNSTON
26   FUND OF BUSINESS                     03.0 CR
   1     09.00              M  W  F    FI        111  RICHEY
   2     07.00-08.30 PM     M  W       FI        111  RICHEY HELEN E
01A  ACCOUNTING                           04.0 CR
   1     08.00              MTWTHF     FI        108  MARKWELL JAMES K
04A  COST ACCOUNTING                      04.0 CR
       PREREQ   *ACC 101C
   1     10.00              MTWTHF     FI        111  MARKWELL JAMES K
   2     01.00              MTWTHF     FI        108     VAUGHN
26A  BUSINESS LAW                         04.0 CR
   1     09.00              MTWTH      H4        233  CUNDIFF
   2     02.00              MTWTH      H4        233  CUNDIFF JOHN WILLIAM
26B  BUSINESS LAW                         04.0 CR
   1     11.00              MTWTH      H4        233  CUNDIFF JOHN WILLIAM
27   OFFICE ADMIN + SUP                   04.0 CR
       PREREQ   *ACC 126
   1     12.00              MTWTHF     H4        233     MARKWELL
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Architectural Drafting (*AD)

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10A  ARCHITECT DRAFTING                   05.0 CR
       PREREQ   MUST BE TAKEN IN A,B SEQUENCE
   1     TO BE ARRANGED
   2     TO BE ARRANGED
   3     08.00-11.50        M  W  F    MI        108  RUTLEDGE CLIFTON C
   4     01.00-04.50        M  W  F    MI        108  RUTLEDGE CLIFTON C
46A  FREEHAND ARCH GRAPH                  03.0 CR
   1     08.00-10.50          T TH     MI        108  LITTLE
   2     01.00-03.50          T TH     MI        108  LETE JOSEPH R
   3     01.00-03.50          T TH     HI        144  LOUGEAY
47   HISTORY ARCHITECT                    03.0 CR
   1     11.00              M  W  F    MI        112  LOUGEAY PAUL J
   2     01.00              M  W  F    MI        112  LOUGEAY PAUL J
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153B  MECH + STRENGTH-MAT              04.0 CR
       PREREQ   *AD 153A
    1    08.00-09.50      MTW  F    L3        119  STALEY GLENN L
221A  ARCHITECTURAL DES                04.0 CR
    1    08.00-10.50      M W  F    MI        113  LETE JOSEPH R
    2    01.00-03.50      M W  F    MI        113  LITTLE HAROLD
250A  MATERIALS + METHODS              04.0 CR
    1    TO BE ARRANGED
    2    TO BE ARRANGED
    3    08.00-11.50        T TH    MI        113
         11.00                W     MI        113  LETE JOSEPH R
    4    01.00-04.50        T TH    MI        113  LITTLE HAROLD
         11.00                W     MI        113
258   STRUCTURAL ELEMENTS              04.0 CR
       PREREQ   *AD 153 OR CONSENT OF ADVISER
    1    12.00            MT THF    MI        112
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Aviation Technology (*AT)

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101   ARCFT RECIPROCAT PP              06.0 CR
    1    09.00            M W  F    AVTECH    116  BURKEY
         10.00-12.50      M W  F    AVTECH    134
102   CARB + LUB SYSTEMS               06.0 CR
    1    02.00            M W  F    AVTECH    117  SCHAFER JOSEPH L
         09.00-12.50        T TH    AVTECH    119
103   ARCFT ELECT GEN-ALT              06.0 CR
    1    08.00            MTWTHF    AVTECH    117  CARCSA + LEE
         09.00-10.50      M W  F    AVTECH    127
104   PROPELLORS                       05.0 CR
    1    09.00              T TH    AVTECH    116  BURKEY PAUL
         02.00                  F   AVTECH    116
         10.00-12.50        T TH    AVTECH    118
105   AIRCRFT INSTRUMENTS              04.0 CR
    1    12.00                W     AVTECH    116  SCHAFER JOSEPH L
         04.00              T TH    AVTECH    116
         02.00-03.50        T TH    AVTECH    128
106   ARCFT IGN-START SYS              05.0 CR
    1    08.00                W     AVTECH    106  VANERKA CHARLES A
         11.00              T TH    AVTECH    117
         08.00-10.50        T TH    AVTECH    127
107   FABRIC-WOOD-DOPING               04.0 CR
    1    09.00-10.50          W     AVTECH    117  RICH DAVID LOU
         12.00                TH    AVTECH    116
         01.00-03.50        T TH    AVTECH    131
    2    02.00-04.50      M W       AVTECH    131  RICH DAVID LOU
         01.00            M W       AVTECH    106
         08.00                  F   AVTECH    106
108   JET PROPULSION PP                06.0 CR
    1    01.00            M W  F    AVTECH    117  CARCSA EDMUND
         02.00-03.50      M W  F    AVTECH    133
         11.00              W       AVTECH    106
109   POWERPLANT TESTING               04.0 CR
    1    11.00            M    F    AVTECH    117  SCHAFER JOSEPH LL
         08.00-10.50      M    F    AVTECH    134
110   AIRC STRUCT AND REP              03.0 CR
    1    10.00            M    F    AVTECH    106  RICH DAVID LOU
         11.00              W       AVTECH    117
    2    04.00              T TH    AVTECH    117  RICH
         12.00              T       AVTECH    116
111   MATERIALS + PROCESS              05.0 CR
    1    TO BE ARRANGED
203   AERODYNAMICS                     05.0 CR
    1    09.00            M    F    AVTECH    106  VANERKA CHARLES A
         10.00-11.50      M    F    AVTECH    131
         12.00              W       AVTECH    117
    2    01.00              T TH    AVTECH    106  VANERKA CHARLES A
         02.00-03.50        T TH    AVTECH    132
         12.00                  F   AVTECH    117
204   AIRCRAFT HYDRAULICS              05.0 CR
    1    08.00-09.50      TWTH      AVTECH    132  CHMAN LENNART
         10.00            TWTH      AVTECH    116
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   2    09.00            M     F    AVTECH  117  CHMAN LENNART R
        10.00-12.50      M     F    AVTECH  132
        02.00            M          AVTECH  116
05  PRESS, AIR COND SYS                  03.0 CR
   1    01.00             T TH       AVTECH  117  CHMAN LENNART R
        02.00-03.50           F      AVTECH  106
   2    02.00             T TH       AVTECH  116  CHMAN LENNART R
        11.00-12.50        W         AVTECH  131
06  METAL + PROCESSING                   04.0 CR
   1    11.00             T TH       AVTECH  106  RITER RUSSELL W
        08.00-10.50       T TH       AVTECH  131
   2    11.00            M     F     AVTECH  106  RITER RUSSELL W
        08.00-10.50      M     F     AVTECH  131
08  ARCFT FUEL SYSTEMS                   02.0 CR
   1    03.00               TH        AVTECH  106  CCLLETT
        08.00             T           AVTECH  119
        09.00             T           AVTECH  116
09  WT BALANCE INSPECT                   06.0 CR
   1    10.00            MTWTHF       AVTECH  106  CCLLETT
        08.00-09.50      M W  F       AVTECH  131
17  RADIO OPER-INSTALL                   01.0 CR
   1    12.00               TH        AVTECH  106  RITER RUSSELL W
        10.00              W          AVTECH  128
        09.00              W          AVTECH  106
   2    02.00            M            AVTECH  106  RITER RUSSELL W
        11.00              W          AVTECH  128
        12.00             T           AVTECH  117
20  JET TRANS AIR SYS                    03.0 CR
   1    02.00-03.50       T           AVTECH  106  CCLLETT
        08.00-09.50         TH        AVTECH  133
30A PRIVATE PILOT                        02.0 CR
   1    12.00            M W  F       AVTECH  106  PATCHETT
30B PRIVATE PILOT                        01.0 CR
   1    TO BE ARRANGED                                PATCHETT
31  BASIC FLIGHT                         03.0 CR
    PREREQ   *AT 230
   1    TO BE ARRANGED
32  INTERMEDIATE FLIGHT                  03.0 CR
    PREREQ   *AT 231
   1    TO BE ARRANGED                                PATCHETT
33  ADVANCED FLIGHT                      03.0 CR
    PREREQ   *AT 232
   1    TO BE ARRANGED                                PATCHETT
34  INSTRUMENT FLIGHT                    03.0 CR
    PREREQ   *AT 233
   1    TO BE ARRANGED                                PATCHETT
```

Automotive Technology (*AUT)

```
01A AUTO LAB--ENG                        05.0 CR
   1    08.00-10.50      MTWTHF   L2      108  RCMACK
   2    11.00-01.50      MTWTHF   L2      108  WHITE
01B AUTO LAB-BR + STEER                  05.0 CR
   1    08.00-10.50      MTWTHF   L1      108  JONES PAUL F
01C AUTO LAB-IGN + CARB                  05.0 CR
   1    02.00-04.50      MTWTHF   L2      108  MCDONALD JAMES F
25A AUTO THE--ENGINES                    05.0 CR
   1    01.00            MTWTHF   L2      105  RCMACK CHARLES
   2    02.00            MTWTHF   L2      105  WHITE JAMES EDWIN
25B AUTO THE-BR + STEER                  05.0 CR
   1    03.00            MTWTHF   L2      105  JONES PAUL F
25C AUTO THE-IGN + CARB                  05.0 CR
   1    09.00            MTWTHF   L2      105  MCDONALD JAMES F
01A AUTO LAB-POWER OPT                   05.0 CR
    PREREQ   101C AND 125C
   1    01.00-03.50      MTWTHF   L2      102  KAZDA JOSEPH G
01B AUTO LAB-TRANS PWR                   05.0 CR
    PREREQ   101C AND 125C
   1    09.00-11.50      MTWTHF   L2      102  WILLEY LUCIAN D
01C AUTO LAB-DIAGNOSIS                   05.0 CR
    PREREQ   101C AND 125C
   1    02.00-04.50      MTWTHF   L1      108  SHELTON EVERETT E
```

```
22CA  AUTO TH-POWER OPT                          05.0 CR
       PREREQ   101C AND MUST BE TAKEN
                CONCURRENTLY WITH 201
    1     10.00          MTWTHF   L2       105  KAZDA JOSEPH
22CB  AUTO TH-TRANS POWER                        05.0 CR
       PREREQ   101C AND MUST BE TAKEN
                CONCURRENTLY WITH 201
    1     08.00          MTWTHF   L2       105  WILLEY LUCIAN
22CC  AUTO TH-DIAGNOSIS                          05.0 CR
       PREREQ   101C AND MUST BE TAKEN
                CONCURRENTLY WITH 201
    1     11.00          MTWTHF   L2       105  SHELTON EVERE
```

Commercial Art (*CA)

```
101   ART ANALYSIS                               03.0 CR
    1     08.00          M W  F   NI       101  SWAYNE DORIS
    2     01.00          M W  F   NI       101
125   TECHNIQUES                                 10.0 CR
    1     09.00-11.50    M W  F   NI       101  SWAYNE DORIS
          08.00-11.50     T TH    NI       101
    2     01.00-04.50     T TH    NI       101  BOZA GERTRUDE
          02.00-04.50    M W  F   NI       101
210A  ADVER + STORY ILLUS                        08.0 CR
    1     08.00-11.50    M W  F   NI       107  HOFFMAN RICHA
    2     01.00-04.50    M W  F   NI       107
230A  TECHNICAL ILLUST                           07.0 CR
    1     08.00-11.50     T TH    NI       107  HOFFMAN RICHA
    2     01.00-04.50     T TH    NI       107
```

Corrections and Law Enforcement (*CLE)

```
103   INTRO CRIME CONT                           04.0 CR
    1     06.30-09.30 PM   T       H3       153
107   LAW ENF COM PROB                           03.0 CR
    1     TO BE ARRANGED
115A  INTERPER REL                               03.0 CR
    1     06.30-09.00 PM    W      H3       153
205   PRIN OF INVEST                             04.0 CR
    1     06.30-09.30 PM      TH   H3       153
215   SUP PRAC IN CRIM                           09.0 CR
    1     TO BE ARRANGED
221   POLICE ADM                                 03.0 CR
    1     TO BE ARRANGED
```

Dental Hygiene (*DH)

```
130   ORIENT DENTAL HYGE                         02.0 CR
    1     08.00          M W      FI       110  JOHNSON
132A  HEAD NECK ANATOMY                          04.0 CR
    1     09.00-10.50     T       FI       110  SMITH DONALD
          08.00-10.50       TH    FI       110
135A  ORAL BASIC SCIENCE                         04.0 CR
    1     09.00-10.50    M W      FI       110  BUSHEE ELEANOR
210A  CLINICAL DENTAL HYG                        05.0 CR
    1     09.00-11.50    MTW  F   F3       132
          12.00                F   FI       110
    2     01.00-03.50    MTW  F   F3       132
          12.00                F   FI       110
213A  DENTAL ASSISTING                           03.0 CR
    1     09.00-11.50       TH    F3       144  CAVANESS GEORG
    2     01.00-03.50       TH    F3       144  CAVANESS GEORG
217   DENT HEALTH EDUC                           02.0 CR
       PREREQ   *DH 216,GSC 101A,101B,103,GSB
                201C SCPH STND IN *DH
    1     12.00          M W      FI       110  JOHNSON
218B  CLIN DENT ROENTGEN                         02.0 CR
       PREREQ   *DH 218A
    1     09.00-10.50       TH    FI       110  BUSHEE ELEANOR
    2     02.00-03.50       TH    FI       110
```

Data Processing (*DP)

```
101A  AUTO DATA PROC MACH                        05.0 CR
    1     08.00          MTWTHF   H4       134
```

```
      09.00            MTWTHF    H8        235
  2   01.00            MTWTHF    H4        134  STARKEY
      02.00            MTWTHF    H8        235
  3   03.00            MTWTHF    H4        134  FITZPATRICK
      04.00            MTWTHF    H8        235
)3A COMP PROG                                05.0 CR
  1   10.00            MTWTHF    H4        134  STARKEY
      11.00            MTWTHF    H8        235
)7  AUTO DP CONCEPTS                         03.0 CR
  1   12.00            M W  F    H4        134  LCHMEIER
      12.00             T TH     H8        235
)2A INDUST COMPUT PRCG                       05.0 CR
    PREREQ   MATH 111A DP 1C3
  1   12.00            MTWTHF    H4        133  FITZPATRICK MICHAEL
      01.00            MTWTHF    H8        235
)3A BUS COMP PROG                            05.0 CR
    PREREQ   DP 1C3 AND 206A
  1   10.00            MTWTHF    H4        133  CICK
      11.00            MTWTHF    H8        235
  2   03.00            MTWTHF    H4        133  CICK
      04.00            MTWTHF    H8        235
)5  SYSTEM DES + DEVEL                       05.0 CR
    PREREQ   *DP 1C4
  1   09.00            MTWTHF    H4        133  LCHMEIER
  2   02.00            MTWTHF    H4        133  LCHMEIER
```

ental Laboratory Technology (*DT)

```
)1A DENTAL PROSTHET LAB                      06.0 CR
  1   02.00-04.50      M W  F    F3        128
      01.00-04.50       T TH     F3        128
  2   02.00-04.50      M W  F    F3        127  BYKOWSKI
      01.00-04.50       T TH     F3        127
'5A DENT PROSTH THEORY                       03.0 CR
  1   01.00            M W  F    FI        110  LEEBENS
  2   01.00            M W  F    FI        109
'8  ORAL ANATOMY                             02.0 CR
  1   11.00             T TH     FI        110
  2   12.00             T TH     FI        110
)1A CROWN + BRIDGE LAB                       06.0 CR
  1   09.00-11.50      M W  F    F3        128  CHRISTY CHARLES Q
      08.00-11.50       T TH     F3        128
  2   09.00-11.50      M W  F    F3        127  MCRR
      08.00-11.50       T TH     F3        127
'5A CROWN + BRIDGE THEC                      03.0 CR
  1   08.00            M W  F    F3        128  CHRISTY CHARLES Q
  2   08.00            M W  F    FI        109  MCRR
```

ectronics Technology (*ELT)

```
)1A BASIC ELEC AP + SYS                      04.0 CR
  1   09.00-10.50      MTWTHF    M3        109  SCHULTZ RAYMCND
  2   02.00-03.50      MTWTHF    M3        109  CCRBELL DENNY M
)1E BASIC ELEC AP + SYS     02.0 TO 15.0 CR
  1   07.55-10.00 PM    T TH     M3        109
'5A BASIC ELECT THEO                         05.0 CR
  1   11.00            MTWTHF    M3        107  SCHULTZ RAYMCND
  2   11.00            MTWTHF    M3        110  CCRBELL DENNY M
'5E BASIC ELEC THECRY       02.0 TO 15.0 CR
  1   06.30-07.50 PM    T TH     M3        110
'7  BASIC TECH CONCEPTS                      03.0 CR
  1   08.00            M W  F    M3        110  CALDWELL PAUL NEWELL
  2   09.00            M W  F    M3        110  CALDWELL PAUL NEWELL
)1A ADV ELECT APPL                           04.0 CR
    PREREQ   *ELT 1C1C, *ELT 125C
  1   08.00-09.50      MTWTHF    M3        112  MCRRIS CARL E
  2   01.00-02.50      MTWTHF    M3        112  MCRRIS CARL E
'5A ADV IND SYSTMS THEC                      05.0 CR
    PREREQ   *ELT 1C1C, *ELT 125C
  1   10.00            MTWTHF    M3        110  CALDWELL PAUL NEWELL
```

Forest Products Technology (*FP)

101A WOODWORK-MACHINE 05.0 CR
1 09.00-11.50 M W F L4 108 CARMAN ALGA L
08.00-10.50 T TH L4 108
125A PROD WOODWKG THECRY 03.0 CR
1 08.00 M W F L4 106 CARMAN ALGA L
128 WOOD TECH 04.0 CR
1 12.00 M W L4 106 CSBORN HAROLI
11.00-12.50 T TH L4 106
129 WOOD FINISHING 03.0 CR
1 02.00 M W F L4 106 CARMAN ALGA L
201A WOODWORK-LIGHT FR 05.0 CR
1 02.00-04.50 MTWTHF L4 108 CSBORN HAROLI
225A PROD WOODWKG THECRY 03.0 CR
1 01.00 M W F L4 106 CSBORN HAROLI
232 WOOD PRESERVATICN 02.0 CR
1 08.00 T TH L4 106 CSBORN HAROLI

General (*GEN)

101 BUSINESS CORRESP 03.0 CR
PREREQ GSD 1C1A
1 12.00 M W F FI 121
102 TECHNICAL WRITING 03.0 CR
1 08.00 M W F M3 103 CUNNINGHAM
2 10.00 M W F MI 112 CROWE CHARLES
3 12.00 M W F M3 103 CROWE CHARLES
4 03.00 M W F MI 112 CUNNINGHAM D
5 04.00 M W F AVTECH 117 CUNNINGHAM D
105A BUS + TECH MATH 03.0 CR
PREREQ SATISFACTORY ACT MATH SCORE OR
*GEN 1C6
1 10.00 M W F H4 233
2 11.00 M W F M3 103
3 01.00 M W F H4 233
4 02.00 M W F M3 103
105B BUS + TECH MATH 03.0 CR
PREREQ SATISFACTORY ACT MATH SCORE OR
*GEN 1C6
1 08.00 M W F H3 151
2 09.00 M W F H3 151
3 10.00 M W F H3 151
4 02.00 M W F H3 151
5 03.00 M W F AVTECH 117
6 04.00 M W F H3 151
115A INTRO TO CHEMISTRY 04.0 CR
PREREQ DENTAL HYGIENE STUDENT OR
CONSENT OF ADVISOR
1 01.00-02.50 M W F F3 144 SMITH DONALD
2 03.00-04.50 M W F F3 144 SMITH DONALD
120 APPLIED PHYSICS 04.0 CR
PREREQ GSA 1C1A,*GEN 1C7
1 11.00 M W M3 101 HARRISON JAM
11.00-12.50 T TH M3 101
201 JOB ORIENTATION 02.0 CR
1 09.00 T TH FI 106 ELDER
RETAILING
2 11.00 M F HI 144 LETE
ARCHITECTURE
232 MGT-LABOR RELATIONS 04.0 CR
1 01.00 MTWTH AVTECH 116
2 02.00 MTWTH HI 143

Highway and Civil Technology (*HCT)

101A SURVEYING 05.0 CR
1 01.00-04.50 T TH L3 119 BASSETT
08.00-11.50 TH L3 119 STALEY GLENN
202B COOP WORK EXPER 04.0 CR
1 TO BE ARRANGED BASSETT FRAN
203 HYDR AND DRAIN 05.0 CR
PREREQ GSD 114
1 10.00-11.50 MTW F L3 119 STALEY GLENN

brary and Audio-Visual Technology (* LAV)

```
1   LIBRARY TECH SERV                    04.0 CR
  1     06.00-07.50 PM   M W       LIB      103J
3   LIB TECH+PUBLIC SER                  03.0 CR
  1     06.00-07.25 PM     T TH     LIB      103J
5   INTRO TO TECHNOLOGY                  02.0 CR
  1     09.00-10.50        T        LIB      103J
```

ortuary Science (*MS)

```
1A  FUNERAL HIST + CUST                  03.0 CR
  1     08.00              M W  F     L3       109   BOULANGER
2A  RESTORATIVE ART                      03.0 CR
  1     01.00               T TH      L3       109   HERTZ DONALD GORDON
        02.00-04.50         T         F3       144
  2     01.00               T TH      L3       109
        02.00-04.50           TH      L3       106
3   INTRO TO EMBALMING                   03.0 CR
     PREREQ   CHEM 11C,240,PHSL 300, GSA 301
  1     03.00              M W  F     L3       109   BOULANGER JAY W
5A  PATHOLOGY                            03.0 CR
  1     04.00              M W  F     L3       109   HERTZ DONALD GORDON
```

achine Drafting and Design Technology (*MT)

```
1A  GRAPHICS                             07.0 CR
  1     08.00-10.50      MTWTHF    MI       101   BEAUCHAMP CLARENCE J
  2     02.00-04.50      MTWTHF    MI       101   LAMPMAN
7   ELEC HYD PN CONTRLS                  03.0 CR
     PREREQ   101 VTI G 107
  1     08.00              M W  F     LI       105   SANDERS EUGENE T
5A  TECHNICAL DRAWING                    03.0 CR
  1     09.00              MTWTHF    H3       147
  2     11.00              MTWTHF    H3       147   BEAUCHAMP CLARENCE J
  3     02.00              MTWTHF    H3       147   BEAUCHAMP
  4     03.00              MTWTHF    H3       147
  5     03.00-04.50        M W       AVTECH   101
        03.00                    F   AVTECH   101
1A  MACH DRAFTG DESIGN                   05.0 CR
     PREREQ   101,225 AND GSC 114 CONCURRENT
              OR CONSENT OF ADVISER
  1     11.00-01.50      MTWTHF    MI       101   MUHICH FRANK W
5   KINEMATICS                           03.0 CR
     PREREQ   101,AND GSC 114,*MT 201A CONC.
              OR CONSENT OF ADVISER
  1     10.00              M W  F     H3       147   LAMPMAN D L
6A  STAT STRENGTH MAT                    02.0 CR
     PREREQ   D201 CONCURRENTLY,GSD 114C OR
              CONSENT OF ADVISER
  1     09.00               T TH      H3       151   LAMPMAN D L
  2     10.00               T TH      H3       151   LAMPMAN D L
```

nting Technology (*PT)

```
1A  PRESS LAB-HAND PLAT                  06.0 CR
  1     02.00-04.50      MTWTHF    L3       110   BRITT DAVID A
    AUTO PLATEN
5A  PRESS THE-HAND PLAT                  03.0 CR
  1     01.00              M W  F     L3       109   BRITT DAVID A
    AUTO PLATEN
1A  COMPOSITION LAB                      06.0 CR
  1     08.00-10.50      MTWTHF    L3       110   CORNELL HORACE E
5A  COMPOSITION THEORY                   03.0 CR
  1     11.00              M W  F     L3       109   CORNELL HORACE E
```

ysical Therapy (*PTH)

```
0A  PHYS THERAPY ORIENT                  01.0 CR
     PREREQ   NONE
  1     01.00              M         WHAM     301A     OKITA TEC Y
3   PATHOLOGY                            02.0 CR
     PREREQ   GSA 3C1A, PHSL 300
  1     04.00              M W  F     L3       109   HERTZ
```

213 THERAPEUTIC MODALIT 03.0 CR
PREREQ GSA 1C1, GSA 3C1
1 C3.00 M W F WHAM 124 CKITA TED Y

Retailing, Cooperative (*RET)

124 INTRC TO RETAILING 04.0 CR
1 09.00 M1WTH FI 112 THOMPSON
176 PRODUCT ANALYSIS 03.0 CR
1 01.00 M W F FI 112 THOMPSON
177A PRODUCT INFO LAB 05.0 CR
1 10.00-11.50 M1WTHF FI 112 SCDERSTROM RU
177B PRODUCT INFO LAB 05.0 CR
1 02.00-03.50 M1WTHF FI 112 THOMPSON
201A CO-OP WORK EXP 08.0 CR
1 TC BE ARRANGED ELDER
2 TC BE ARRANGED ELDER
207B SALES PROMOTION 02.0 CR
1 01.00 T TH FI 106 SCDERSTROM

Secretarial (*SCR)

101A TYPEWRITING 03.0 CR
1 10.00 M1WTHF FI 121 VANCIL ALICE
101C TYPEWRITING 03.0 CR
1 07.00-08.30 PM T TH FI 107 VANCIL
104A SHORTHAND 06.0 CR
1 10.00 M1WTHF FI 103 GREATHOUSE LI
11.00 M1WTHF FI 121
2 01.00-02.50 M1WTHF FI 121 GREATHOUSE LI
107 FILING + DUPLICTG 03.0 CR
PREREQ 101A CR CONSENT OF ADVISER
1 08.00 M1WTH FI 103 GREATHOUSE LI
2 01.00 M1WTH FI 103 VANCIL ALICE
12CA MACHINE SHORTHANC 06.0 CR
1 11.00-12.50 M1WTHF FI 102 CASE RONALD L
150 LEGAL ETHICS 02.0 CR
1 TC BE ARRANGED JCHNSTCN
205A TYPEWRITING 03.0 CR
1 08.00 M1WTHF FI 107 NORMAN WINIFR
2 10.00 M1WTHF FI 107
3 01.00 M1WTHF FI 107 MIRIANI
209A SHORTHAND 06.0 CR
1 09.00-10.50 M1WTHF FI 102 MIRIANI
2 02.00-03.50 M1WTHF FI 107 CASE RONALD L
214A COOP SEC EXP 02.0 TO 05.0 CR
PREREQ *SCR 104C
1 TC BE ARRANGED JCHNSTON CHES
220A MACHINE SHORTHANC 05.0 CR
PREREQ *SCR 112
1 08.00 M1WTHF FI 102 MIRIANI THERE
09.00 M1WTHF FI 107 MIRIANI THERE
223 SECRETAR OFF PROC 05.0 CR
1 12.00 M1WTHF FI 107 NORMAN WINIFR
225A MEDICAL SHORTHANC 06.0 CR
1 03.00-04.50 M1WTHF FI 102 TCOLEY JAMES
230A TESTIMONY + DEPOSIT 03.0 CR
PREREQ *SCR 112
1 02.00 M1WTHF FI 102 MIRIANI THERE
235A ADV LEGAL DICTATICN 03.0 CR
PREREQ *SCR 112
1 10.00 M1WTHF FI 103 MIRIANI THERE

Tool and Manufacturing Technology (*TT)

101A M TOOL LAB-ENG BEN 05.0 CR
1 10.00-12.50 M1WTHF LI 101 SANDERS EUGEN
2 02.00-04.50 M1WTHF LI 101
125A M TOOL THE-INTRC 03.0 CR
1 01.00 M W F MI 107 MURDOCK ROBER
176A MANUFACTURING PRCC 03.0 CR
1 10.00 M W F MI 107 MURDOCK
2 11.00 M W F MI 107 TRAYLOR GEOR

76B MANUFACTURING PRCC 03.0 CR
1 02.00 M W F MI 107 TRAYLCR GECRGE LELCN
01A ADV T LAB-TOOL-DIE 03.0 CR
1 08.00-09.50 M W F LI 101 TRAYLCR GECRGE LELCN
25A AD M TOOL THE-CLAL 03.0 CR
1 03.00 M W F MI 107 TRAYLCR GECRGE LELCN
75B METALLURGY-FERRCLS 03.0 CR
1 02.00 M1WTHF M4 102 CALLMAN
2 03.00 M1WTHF M4 102 CALLMAN

Welding (*WEL)

75 OXY-ACET-ELEC ARC 03.0 CR
1 11.00 M1WTHF M4 107 TREGCNING
2 01.00 M1WTHF M4 107
3 03.00-04.50 M W F AVTECH 131 TREGCNING PHILIP W

Water Resources Technology (* WRT)

01 WATER RES TEC-INTRC 02.0 CR
1 TC BE ARRANGED

1. Write in the course and section number in the appropriate day and time column.

4. Tentative class schedules are subject to the rules and policies on registration of the University and the Registration Center.

TIME	MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.	Course	Sect.
8:00												
9:00												
10:00												
11:00												
12:00												
1:00												
2:00												
3:00												
4:00												

Carbondale, Illinois 62901

hern Illinois University

Bulletin

971 *Undergraduate Catalog/Edwardsville*

llar

OBJECTIVES OF SOUTHERN ILLINOIS UNIVERSI

TO EXALT BEAUTY

In God,
in nature, and
in art;
Teaching how to love the best
but to keep the human touch;

TO ADVANCE LEARNING

In all lines of truth
wherever they may lead,
Showing how to think
rather than what to think,
Assisting the powers
of the mind
In their self-development;

TO FORWARD IDEAS AND IDEALS

In our democracy,
Inspiring respect for others
as for ourselves,
Ever promoting freedom
with responsibility;

TO BECOME A CENTER OF ORDER AND LIGHT

That knowledge may lead
to understanding
And understanding
to wisdom.

thern Illinois University

Bulletin

1971 Undergraduate Catalog/Edwardsville

HERN ILLINOIS UNIVERSITY BULLETIN / Vol. 12, No. 8, May 29,
Second-class postage paid at Carbondale, Illinois 62901, and Edwardsville,
s 62025. Published by Southern Illinois University, Carbondale, Illinois
monthly except February, March, April, and December, when published
nonthly.

SIU

This Issue . . . . . .

of the *Southern Illinois University Bulletin* covers in detail questions concerning the undergraduate program and applies to the Edwardsville Campus. It supersedes Volume 11, Number 7.

THE FOLLOWING ISSUES of the *Southern Illinois University Bulletin* may b obtained free from Central Publications, Southern Illinois University, Ed wardsville, Illinois 62025.

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University Calendar

SPRING, 1970	Quarter Begins	Monday, March 30 *
	Memorial Day Holiday	Friday, May 29
	Final Examinations	Monday–Saturday, June 8–13
	Commencement (Carbondale)	Friday, June 12
	Commencement (Edwardsville)	Saturday, June 13
UMMER, 1970	Quarter Begins	Monday, June 22 *
	Independence Day Holiday	Friday, July 3
	Final Examinations	Monday–Friday, August 31–September 4
	Commencement (Edwardsville)	Friday, September 4
	Commencement (Carbondale)	Saturday, September 5
FALL, 1970	New Students	Sunday–Tuesday, September 20–22
	Quarter Begins	Tuesday, September 22 *
	Thanksgiving Vacation	Tuesday, 10 P.M.–Monday, 8 A.M., November 24–30
	Final Examinations	Saturday–Friday, December 12–18
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	Washington's Birthday Holiday	Monday, February 15
	Final Examinations	Saturday–Friday, March 13–19
SPRING, 1971	Quarter Begins	Monday, March 29 *
	Memorial Day Holiday	Monday, May 31
	Final Examinations	Saturday–Friday, June 5–11
	Commencement (Edwardsville)	Friday, June 11
	Commencement (Carbondale)	Saturday, June 12

Classes begin with the evening classes after 5:30 P.M. on the Carbondale Campus and with the ning classes after 4:30 P.M. on the Edwardsville Campus.

Board of Trustees and Officers of Administration

BOARD OF TRUSTEES	*Term Expir*
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1 / The University

Southern Illinois University is a multi-purpose and diversified university that, since its establishment in 1869, has sought to meet the educational needs of the times for the people which it serves as a public institution. It is fully accredited by the North Central Association of Colleges and Secondary Schools.

Though the student population has increased manifold from its beginning, the formation of schools, colleges, divisions, and departments within the University enables the institution to concentrate on the special interests of its individual students. The University in total size now ranks seventeenth in the nation. It offers facilities and faculty to give general and professional training to students ranging from two-year programs leading to associate degrees to the doctoral degree level.

Because of the growing demand for educational opportunities in the Madison–St. Clair counties area, the University established the Alton Residence Center and the East St. Louis Residence Center in 1957, the former on the campus of what used to be Shurtleff College, the latter in a senior high school building.

During the year 1958–59, communities in Madison and St. Clair counties launched a drive that helped acquire a large central campus site on the outskirts of Edwardsville, Illinois, approximately twenty miles east of St. Louis, Missouri. From what was once farm land has now risen a complex of uniquely designed buildings which constitute the Edwardsville Campus.

Thus, though Southern Illinois University is a single university, it has several campuses with the major designations being the Carbondale Campus, with its Vocational-Technical Institute and Little Grassy Lake installation, and the Edwardsville Campus, the latter including the East St. Louis Center, the Alton Center, and the campus at Edwardsville.

Edwardsville Campus

The general administrative offices for the Edwardsville Campus are located on the central campus, which is comprised of 2,600 acres of rolling farm land and wooded valleys along the bluffs flanking the Mississippi River southwest of Edwardsville, Illinois.

The master plan for the Edwardsville site provides facilities for a daily commuting student body of 18,000.

Buildings now occupied are Lovejoy Library, Peck Classroom Building, Communications Building, Science Laboratory Building, the University Center, and the General Office Building. In the planning stages are buildings for physical education and theater and fine arts.

The facilities of the former Shurtleff College have been leased by the University for the operation of the Alton Center. Eight permanent build-

ings form the nucleus of this 40-acre campus. Nine additional building have been prepared on a temporary basis to meet current needs. Th School of Dental Medicine is located at the Alton Center.

The East St. Louis Center is located on Ohio Street at Ninth an Tenth. This site contains facilities for the Experiment in Higher Educa tion and the Performing Arts Training Center and Dynamic Museun

The University Libraries

The Edwardsville Campus libraries contain 425,000 volumes, 60,0(microtext items, 4,000 current periodicals, 70,000 maps and aerial phot graphs, 200,000 government documents, 10,000 phonograph records, an 100,000 music scores and sheets.

Recognizing the importance of good libraries in a college educatio the University has given attention to both quantity and quality of libra development. During the past two years the collections have grown the rate of more than 50,000 volumes a year. About ninety percent of t collections are housed at the Lovejoy Library at Edwardsville.

Lovejoy Library has four subject libraries—Education, Humanities ar Fine Arts, Science, and Social Sciences and Business—a Governme Documents collection, and a General Reference Service.

Smaller collections at the Alton and East St. Louis libraries suppo the General Studies curriculum and special programs.

2 / Admission, Advisement, and Registration

In order to attend classes at Southern Illinois University, one must gain official admission to the University and must complete the registration process, which includes specialized testing, advisement, sectioning, and payment of fees.

Admission

Applications for admission to the University are accepted any time during the calendar year but should be initiated in ample time to permit the necessary work of processing to be completed.

Admission of Freshmen

To be considered for admission, a person must be either a graduate of a recognized high school (graduates of non-recognized high schools may be admitted by the Director of Admissions by examination) or must have passed the General Educational Development Test. A person seeking admission through the latter procedure will be considered only after his high school class would have graduated.

In-state high school graduates who rank in the upper half of their graduating class based upon class rank or by scores on the American College Test (A.C.T.) will be permitted to enter any quarter, while those who rank in the lower half of their graduating class will be permitted to enter with a condition of Scholastic Warning for the summer quarter only. Please see pages 9–10 for further information.

Out-of-state high school graduates who rank in the upper forty percent of their graduating class based upon class rank or by scores on the American College Test (A.C.T.) will be permitted to enter any quarter, while those in the lower sixty percent but in the upper half of their graduating class will be permitted to enter conditionally during the summer quarter only.

Both in-state and out-of-state lower-ranking students who elect to enter during the summer quarter can qualify for fall quarter attendance by carrying a minimum academic load of 8 hours and completing them with at least a *C* average.

Students will be considered for admission after completion of the sixth semester of high school. All prospective freshmen must submit high school records and furnish University entrance examination scores prior to being admitted to the University.

All admissions granted students while in high school are subject to the completion of high school work and maintenance of rank upon which the admission was made.

A student entering the University as a freshman seeking a bachelor's degree is enrolled in the General Studies Division.

Admission of Transfer Students

Students applying as undergraduate transfer students from four-year ins tutions are admissible to any quarter provided they had a 3.00 gra point average at the institution of last attendance. Students who do n have a 3.00 grade-point average at the institution of last attendance l are eligible to continue will be considered for admission on probation summer, winter, and spring quarters. Those who are not eligible to c tinue at their last institution will be considered for admission on probati for summer and spring provided there has been an interruption of scho ing of at least two quarters' duration and there is tangible evidence t additional education can be successfully completed by the student.

In the event a student has attended more than one institution, institution of last attendance is considered to be the one last attended a full-time basis for at least one quarter or semester.

Students applying for admission from two-year institutions are adm sible to any quarter provided they had a 3.00 grade-point average at institution of last attendance. Students who did not have a 3.00 gra point average at the institution of last attendance but are eligible continue may be considered for admission on probation for sumn winter, and spring quarters. Those who are not eligible to continue their last institution may be considered for admission on probation summer and spring provided there has been an interruption of school of at least two quarters' duration and there is tangible evidence that ac tional education can be successfully completed by the student. Howe a student who did not meet the University's admission requirements enter as a freshman from high school during the regular year and v elected to enter a two-year institution will not be considered for admiss as a transfer student until he has completed one year of attendance the two-year institution.

Also, students who have graduated with an associate degree in a l calaureate oriented program from a two-year institution may enter So ern Illinois University any quarter without regard to their average p vided they have not taken additional work since their graduation. If t have taken additional work, their admission will be considered from same standpoint as a student transferring from a four-year institutio

Transfer students suspended for any reason other than academic fai must be cleared by the Dean of Students Office before admission wil granted by the Director of Admissions.

Admission of Foreign Students

Each foreign student must submit, in addition to the regular admis papers, a questionnaire for foreign students showing all previous sch ing. The foreign student must also submit an official statement sho sufficient proficiency in English to do successful college work (result Test of English as a Foreign Language Examination). Such a stu should make adequate provision for his financial needs and be abl provide a statement of such. The University does not assume res sibility for a student who arrives with inadequate financial resources.

Admission of Former Students

A former student of Southern Illinois University not in attendanc

campus at the close of the quarter preceding application for admission must apply to the Admissions Office for re-entrance prior to registration.

A former student who is not in good standing must clear his status before the Admissions Office will prepare his registration permit. It is advisable for such a student to initiate re-entrance clearance early so that all inquiries may be answered and so that the applicant can find time to complete any requirements that may be imposed upon him.

Advisement

After a student has been admitted to Southern Illinois University, he should talk with an adviser about his educational plans and complete his registration for the quarter he expects to enter the University.

To insure that an undergraduate student is properly advised concerning the choice of a course which will fulfill the requirements of the University and prepare him for his chosen career, academic advisement has been made the special responsibility of a group selected from the teaching faculty. During his first two years the student will receive prime advice from an adviser responsible to the Dean of General Studies. If he chooses to declare a special field of interest then, his General Studies adviser will refer him to someone representing his special field of interest for secondary advice; but formal admission to a specific field will be deferred until the student completes 64 hours of General Studies credit. All students in General Studies must initiate transfer into their chosen unit before enrolling again, after completion of 96 hours of credit.

After admission to some special field, the student will receive prime advice from a representative of that field. For example, students enrolling in the Experiment in Higher Education or the Performing Arts Training Center will be advised at appropriate sites in East St. Louis.

Physical Examination

Each new student desiring to enroll at Southern Illinois University is required to have a physical examination completed prior to his initial registration for classes. A special medical form is provided which is to be completed by the student and his personal physician and returned to the University Health Service.

Registration

At Southern Illinois University, a system of advance registration is in operation. The period of time from the third through the tenth week of each quarter is used for advisement for the following quarter. For example, a student who plans to attend during the winter quarter may be advised between the third and tenth week, inclusive, of the fall quarter. A new student may also register on the opening day of each quarter. All students are urged to take advantage of the advance registration period.

Registration for any session of the University is contingent upon being eligible for registration. Thus, a registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the Registrar by the Dean of Students.

Detailed information about the dates and procedures for adviseme and registration appears in the Schedule of Classes, available from C tral Publications.

Tuition and Other Fees

The fees charged students are established by the Board of Trustees a are subject to change whenever conditions make changes necessary. Th fees which will be in effect for the fall quarter of 1970 follow.

	Not more than 5 hrs.	More than 5, less than 11	11 or more
Tuition Fee—Illinois Resident ..	$22.00	$45.00	$67.00
Tuition Fee—Out of State	(80.00)	(160.00)	(240.00)
Student Welfare and Recreation Building Trust Fund Fee	5.00	10.00	15.00
Athletic Fee	3.00	6.50	10.00
Book Rental Fee	3.00	6.00	8.00
Student Activity Fee	3.50	7.00	10.50
University Center Fee	5.00	5.00	5.00
Total—Illinois Resident	$41.50	$79.50	$115.50
Total—Out of State Resident ...	(99.50)	(194.50)	(288.50)

In addition to the above fees, a student is subject to certain ot r charges under the following conditions:

1. A late registration fee of $5.00 when a student registers after e regular registration period has ended.
2. A $2.00 program change charge whenever a student changes his p - gram from the one for which he originally registered, unless the cha e is made for the convenience of the University.
3. A graduation fee of $17.00.

Students holding valid state scholarships are exempt from the ab e fees to the extent provided by the terms of the specific scholarship h l. An Illinois State Teacher Education Scholarship, an Illinois Milit y Scholarship, or an Illinois General Assembly Scholarship exempts e student from the paying of tuition, the student activity fee, and the g l- uation fee.

The student activity fee includes the fees for limited hospitalizat n, entertainment, athletics, student publications, and such other privil s as may be provided.

Faculty members and university civil service employees taking cou s are not charged tuition and activity fees. However, they pay all o r appropriate fees.

Extension course fees are $6.00 per hour plus a $1.05 book rental e per course. (Graduate students must purchase their textbooks.)

Adult education course fees are computed on the basis of approxima y sixty cents per contact hour.

Other charges which a student may incur are those for departme al field trips, library fines, and excess breakage. Also, a student takir a course involving use of materials, as distinct from equipment, will c i- narily pay for such materials.

A student registering for work on an audit basis is assessed fees on e same basis as when registering on a credit basis.

A student is entitled to a free transcript of his university record c h

time he has added academically to his record through work taken at this University, provided he has fulfilled all his financial obligations to the University. There is a charge of $1.00 for each additional transcript.

PAYMENT AND REFUNDING OF FEES

All fees are payable at the time of registration and are subject to changes whenever conditions necessitate changes.

Refunding of fees is possible only if a student has withdrawn from school, officially, within the first ten days of a quarter and only if the application for a refund is received in the Registrar's Office within ten school days following the last regular registration day. (See Registration Calendar in the Schedule of Classes for specific dates.) This means that for quarters starting on a Monday the withdrawal from school must have been officially made within the first two calendar weeks of the quarter and the refund application received by Monday of the third week. No refunding of fees is made for a withdrawal occurring after the first two weeks.

A student who originally pays full fees and then finds that he must reduce his program to fewer hours may receive a refund of the tuition and book rental fee equivalent to the number of hours remaining as indicated in the fee schedule, provided the reduction is officially made during the first ten days of the quarter.

Academic Load

The normal academic load for a student is 16 hours. The maximum is 18 hours.

A student with a 4.25 grade-point average or above for the preceding quarter may be allowed by the head of his academic unit to take as many as 21 hours. In no case may a student carry, or be credited with, more than 21 hours in any quarter.

A student on scholastic probation may not take more than 14 hours without approval of the dean of his division. A student employed full-time should not register for more than 8 hours.

Ordinarily, a student must carry 12 or more hours per quarter to be considered a full-time student. However, a number of programs may carry different requirements and a student attending the University under a scholarship, loan, or other type of program requiring full-time enrollment, should check to make certain that he is meeting the requirements of his specific program. For example, Public Law 358 (the new GI Bill) requires 14 hours on the undergraduate level for full-time, 10 to 13 is considered three-quarter load, and 7 to 9 hours, half load. A student concerned with Selective Service on the undergraduate level needs to carry 12 hours to be considered full-time. However, for Selective Service purposes, a student must also be making satisfactory progress. Therefore, he needs to accumulate 48 passing hours each year. Because of this, he must consider 12 hours as only a minimum load for full-time purposes with 16 hours per quarter as the average load he must maintain throughout the year. Further information on both Public Law 358 and Selective Service is available in the Registrar's Office.

Unit of Credit

Southern Illinois University operates on the quarter system. Therefore, references to hours of credit mean quarter hours rather than semester

hours. One quarter hour of credit is equivalent to two-thirds of a semeste hour. One quarter hour of credit represents the work done by a student i a lecture course attended fifty minutes per week for one quarter, and, i the case of laboratory and activity courses, the stated additional time.

Class Standing

An undergraduate student is classified as a freshman, sophomore, junio or senior, depending upon the number of hours he has successfully com pleted toward the degree. A freshman is a student who has complete fewer than 42 hours; a sophomore, from 42 through 89; a junior, from 9 through 137; and a senior, 138 or more.

Grading System

The following grading symbols are used for undergraduate work:

GRADE POINTS PER HOU

A—Excellent. .....
B—Good. .....
C—Satisfactory. (This is the grade for average performance.) ..
D—Poor. .....
E—Failure. .....
W—Authorized withdrawal with no basis for evaluation establishe Work may not be completed.
WP—Authorized withdrawal with passing grade. Work may not l completed.
WE—Authorized withdrawal with failing grade. Work may not l completed.
INC—Incomplete. Has permission of instructor to be complete
DEF—Deferred. Used only for graduate courses of an individual, co tinuing nature such as thesis or research.
ABS—Unauthorized withdrawal. Same as *E* for academic retenti purposes.
S—Satisfactory. Used only for non-credit courses.
U—Unsatisfactory. Used only for non-credit courses.
AU—Audit. No grade or credit hours earned.
PASS—Credit toward graduation. No grade.
FAIL—No credit toward graduation. No grade.

All complete grades and the grades of *WE* and *ABS* are included determining student grade-point averages for academic retention purpos

Authorized course withdrawals made through the program chan process do not receive grades when made during the first four weeks o quarter. Thereafter, authorized withdrawals receive *WP* for withdra with a passing grade, *WE* for withdrawal with a failing grade, or *W* wh no basis for evaluation has been established.

Unauthorized course withdrawals which are made through failure of t students to continue in attendance receive a grade of *ABS*. An *ABS* gra for a student may be changed to a *W* in unusual circumstances upon t recommendation of the head of the student's academic unit.

An *INC* grade may be changed to a completed grade within a ti period to be designated by the instructor, not to exceed one year fr the close of the quarter in which the course was taken; otherwise it mains as an *INC* grade and is not included in grade-point computati

A *DEF* grade for course work of an individual nature such as resear

thesis, or dissertation is changed to a completed grade when the project has been completed.

The grades of *S* and *U* are used to indicate satisfactory or unsatisfactory completion of a non-credit course.

A student registering for a course on an *audit* basis receives no letter grade and no credit hours. An auditor's registration card must be marked accordingly and he pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for audit or credit may change to a credit status or vice versa through the official program change method during the first four weeks of a quarter. Thereafter the change may not be made.

The official record of a student's academic work is maintained in the Registrar's Office.

Scholastic Standards

A student is expected to make satisfactory progress toward a degree, certificate, or other approved objective in order to be eligible to continue attendance at the University. A student making a 3.000 grade-point average for a quarter is eligible to continue attendance for the subsequent quarter.

To insure making satisfactory progress towards his educational objective, a student is required to maintain both a 3.000 grade-point average on a quarter-to-quarter basis, and a progressively improving grade-point average as he accumulates specified numbers of hours to his record. Otherwise, he will be placed in categories other than Good Standing and may be required to discontinue attendance at the University for a period of time.

SCHOLASTIC WARNING

A student who is on Good Standing will be placed on Scholastic Warning at the end of any quarter in which he fails to make a 3.000 average for that quarter, and he has:

a. Fewer than 90 hours calculated and a grade-point average below 3.000.

b. 90 but fewer than 138 hours calculated and a grade-point average below 3.100.

c. 138 or more calculated hours and a grade-point average below 3.150.

A student on Scholastic Warning who fails to earn a 3.000 grade-point average for a quarter is placed on Scholastic Probation. A student who does earn a 3.000 grade-point average or better for the quarter will remain on Scholastic Warning until his grade-point average meets the minimal requirements specified in *a, b,* or *c.*

SCHOLASTIC PROBATION AND SUSPENSION

A student on Scholastic Probation who fails to earn a 3.000 grade-point average for his next quarter of attendance is placed on Scholastic Suspension, and may be subject to suspension from the University for scholastic reasons. An exception to this rule shall prevail for those students in categories *b* and *c* whose over-all grade-point averages have not fallen

below 3.000. These students will remain on Scholastic Probation unt their grade-point averages rise above the minimal levels specified, in whic case they will move to Good Standing. If their grade-point averages fa below 3.000, they will be placed on Scholastic Suspension. A student o Scholastic Probation will remain on Scholastic Probation so long as h continues to earn 3.000 grade-point or better for each quarter until suc time as his over-all grade-point average moves above the minimal require ment as specified in *a, b,* or *c,* in which case he moves to Good Standin

A transfer student is subject to the above grade-point averages as a plied to his academic record earned only at this University and to h over-all academic record.

In addition to the above quarter-to-quarter scholastic requirements, student is expected to maintain a progressively improving accumulate grade-point average to insure his making progress towards the 3.000 grad point average required for graduation. To meet this requirement a studer must meet the required grade-point averages specified below according t the number of hours he has calculated at the end of a spring quarte When a student earns less than a 3.000 grade-point average during spring quarter, he will be scholastically suspended from the University his grade-point average falls below that figure at the right for the co responding number of cumulative hours listed at the left in the followin table:

QUARTER HOURS	REQUIRED AVERAGE
42– 89	2.600
90–113	2.700
114–137	2.800
138–153	2.900
154–	2.950

He may seek reinstatement after a minimum of two quarters' interru tion but must furnish tangible evidence that additional education can l successfully undertaken.

A student who earned a 3.000 grade-point average during a spring qua ter but whose grade-point average falls below the levels indicated abo is placed on Scholastic Probation and is subject to the conditions gover ing a student on Scholastic Probation.

A transfer student is subject to the above grade-point averages as a plied to his academic record earned only at this University and to h over-all academic record.

Honors Day

In recognition of high scholarship, an Honors Day convocation is he each spring. A candidate for a bachelor's degree in June or August w has maintained a grade-point average of 4.25 or more for all of his wo through the winter quarter of his senior year receives special honor. Ea junior having a 4.25 grade-point average and each sophomore and fres man having a 4.50 grade-point average is also honored at the convocatic Except in the case of a graduating senior, a student must be attendi full time to be eligible. A transfer student must have earned the avera indicated for work at Southern Illinois University only, as well as for t total record. Graduating seniors are also recognized at Commenceme on the graduation program, and their diplomas designate honors grant on the basis of Highest Honors (4.90 or higher); High Honors (4.7 4.89); and Honors (4.50–4.74).

Special Programs for Credit

Credit for Military Experience

Credit will be accepted for USAFI courses within the limitations enforced for extension and correspondence work. No credit is allowed for college-level G.E.D. tests. In evaluating credit possibilities based upon formal service school training programs, the recommendations of the American Council on Education as set forth in the Guide to the Evaluation of Educational Experiences in the Armed Forces are followed.

In order to receive credit for military service a veteran must present a copy of his separation papers to the Registrar's Office.

Extension and Correspondence

A maximum of one-half of the number of hours required for the bachelor's degree, or 96 hours, may be taken by extension and correspondence courses combined. Of this total, not more than 48 hours may be taken in correspondence courses.

While Southern Illinois University does not maintain a correspondence division, courses taken by correspondence from institutions which are accredited by their appropriate regional accreditation association are regularly accepted if the grade earned is *C* or above.

The Deans College

The Deans College has been created to help outstanding students find an academic program that is more relevant to their needs and perhaps may carry them further along the road to professional competence than the usual undergraduate programs.

In general, a 4.5 grade-point average is required for admission to the Deans College, but students with outstanding high school records, and others highly recommended by reason of talent by a teacher, may be admitted directly from high school. Students selected for the Deans College must complete the usual 192 hours for the bachelor's degree.

Each Deans College student is assigned a senior faculty adviser who is a member of the Deans College, and whose field of interest reflects that of the student. The student works out with his adviser a program of studies based upon the student's needs and capabilities. This program, assigned on the authority of the adviser and the Deans College Coordinator, substitutes for all other University and divisional requirements. With the adviser's cooperation, a student may take up to 4 hours of honors work each quarter of full-time enrollment.

Interested students seeking additional information concerning the Deans College should write or call the Deans College Coordinator.

3 / General Studies

TUDENTS WHO EXPECT to receive the baccalaureate degree from this Uni-ersity must complete the General Studies Program.

A General Studies Committee, composed of faculty representatives and dministrators, is responsible for determining broad policies and approv-ıg specific courses and sequences of courses to be offered. The Dean of ıe General Studies Division is responsible for the implementation of ıese policies. The individual courses are taught by the academic division ɔr which the courses were approved.

In order to graduate from the University with a bachelor's degree, a tudent must satisfy the General Studies requirements which are ex-lained in this chapter. He must also satisfy the requirements for an area f concentration (major), and in many cases, a secondary concentration minor). If the student plans to teach in an elementary or a secondary chool, he should meet the requirements for teacher certification. There re also specific requirements for graduation for each degree. For gradua-ion requirements other than General Studies, the student should examine ıe related sections of this catalog.

Aims and Purposes of the General Studies Program

'he education of an enlightened people through the transmission of the ulture of our times is a basic objective of higher education. Specialists ıemselves realize that rigid concentration within any field of study may eprive them of broader understandings so important for participation in fe as citizens and parents. Our educational efforts, therefore, must pro-uce individuals with an ability to use knowledge in a way which also dvances social and cultural life. Our kind of free and democratic society annot endure without such citizens.

General Studies are only part, not the whole, of man's education. While eneral Studies can conceivably help a student in his choice of occupa-on and can contribute to his success in a given occupation, their princi-al objective is not to develop vocational skills. They comprise that por-on of the total curriculum which is concerned with the common needs f man and which assist the student to be more at home in a world that ıcreasingly demands more of all men in terms of the intellectual, spirit-al, and social. It is vitally necessary to prepare each student to assume is proper responsibilities in a world of rapidly expanding knowledge, of apidly expanding population, technological advance, and consequent hanges.

There is a basic unity of knowledge which the General Studies Program ttempts to exhibit. The General Studies Program tries to lay a founda-on upon which the student will build a superstructure of understanding nd achievement. Such a background should complement the specialized udies which the student undertakes in pursuing his concentration.

An opportunity is provided for the student to gain experience in s eral subjects and, hopefully, to make an unhurried selection of a prof sional goal and an area of concentration for his total educational progra If a student has made a tentative choice of his educational goal, he m carry courses in his area of special interest concurrently with the ba courses of the General Studies curriculum.

The General Studies curriculum at Southern Illinois University is o of unique quality, and accommodates many different levels of preparati for college. This philosophy permits the greatest possible number persons an opportunity to reach their fullest potential while concurren directing their efforts towards a stronger and happier democratic socie

The Five General Studies Areas

The General Studies Program utilizes a classification of knowledge i five comprehensive areas, each of which has a special contribution to ma toward the development of the individual. A man, to be truly educat should have some familiarity with each of these areas. Each area is d ignated by a particular letter.

Area A—Man's Physical Environment and Biological Inheritanc includes the subjects generally called "science." The General Stud science courses aim to provide the student with an understanding of t structure of the sciences, the conceptual schemes they employ, the for of reasoning used to reach their conclusions, and the procedures used verify their validity. Improved understanding should lead to interest the sciences and appreciation of the role of the sciences in human exp ence. The student who approaches the study of science with an a propriate attitude should find that discovery is a delightful intellect experience.

Area B—Man's Social Inheritance and Social Responsibilities—is c cerned with those subjects generally referred to as the "social" scienc It is the aim of the courses in this area to help the students develop awareness of man's role in society, an ability to think intelligently ab their environment, and an alertness to the complexities of the mod world. The courses in Area *B* should assist the students in understand the way men are shaped by the social processes. Study in the area sho make students aware that their attempt to define these processes may crease their ability to determine their own destinies. It is easy to see t importance of the great technological advances of the industrial revoluti But, it should not be overlooked that all scientific and mechanical novations must attain their significance in a setting of human interre tionships and responsibilities.

Area C—Man's Insights and Appreciations—includes the subje usually referred to as "humanities" and "fine arts." Amid all the chan in history, man in many basic ways is the same as he has always be Human beings today experience the same basic desires and hopes, same fears and failures, that they did in ancient times. And it is w these human constants that Man's Insights and Appreciations is m concerned. Of course, it is also concerned with the changing ways t these unchanging elements have been dealt with, with the unique w man has expressed himself about them, but underneath is the permane of the human experience itself. The title Man's Insights and Appre tions aptly describes the concepts to be studied in this area. The stud

as an opportunity to enrich his own insights and appreciations. It is urther hoped that he will be able to develop his own sense of values. 'or example, in philosophy and design, one can discover fundamental onnections among various areas of human experience. In literature and hilosophy one confronts various problems of good and evil and may be timulated to clarify his own values. In the study of the various arts one ught to be able to come to a better appreciation of the creativity of thers and even share directly in this experience. All told, it is hoped hat this kind of study contributes to what in an earlier time of history vas spoken of as "wisdom."

Area D—Organization and Communication of Ideas—deals with the eneral area of communication in a broad sense. Subjects like English, peech, foreign languages, and mathematics are included. Effective com- nunication of ideas is basic to organized society. Transmission of infor- nation from one human being to another enables the second person to enefit from the experiences and insights of the first. Mutual exchange of deas can be quite helpful. The experience of centuries can be communi- ated to those who live in the present. Language, whether oral, written, r symbolic, is the fundamental means of communication.

Area E—Health and Physical Development—includes the subjects of hysical education and hygiene. Because life does put such a demand on elf-discipline, compulsion of performance, and in many cases rigid stand- rdization of programs, many students need and seek an outlet for a ealthy expression in some recreational activity. Health is the foundation or all of one's activities. Health does not mean merely that the individual s free from illness. Rather, it implies a positive state of complete physi- al, mental, and social well-being.

General Studies Requirements

'he specific requirements in General Studies are listed and explained in his section. These general statements must be qualified in many cases by he variations and exceptions explained in the section following this one. ince each student has a third-level waiver, he should check that section.

The General Studies courses are classified into the five previously-listed reas. Within each area, there may be as many as three levels—100, 200, nd 300.

In the following, a listing such as GSA 101–8 (5,3) (physics-chemis- ry) refers to the course sequence numbered 101; 8 refers to the total of he two parts, in this case *a* and *c*, in General Studies Area *A* which car- ies 5 hours' and 3 hours' credit with the general subject matter listed. The sting GSC 151–3 Introduction to Poetry refers to the course numbered 51 in Area *C* and indicates that it carries 3 hours of credit and consists f only one part. See Chapter 8 in which the courses are described in etail.

Area A—Each student must meet a requirement of 22 hours. He must omplete an 8-hour sequence on the first level. The two sequences cur- ently offered are GSA 101–8 (5,3) (physics-chemistry) and GSA 110–8 4,4) (earth science).

On the second level he must complete an 8-hour sequence. The sequence urrently offered is GSA 201–8 (4,4) (biology).

On the third level, 6 hours are required (unless the student is entitled o a waiver in this area). This requirement is met by taking any two of

the third-level courses in Area *A* (not necessarily a sequence), with t exception that GSA 330 and GSA 331 may not both be counted towa the requirement.

Area B—The requirement in Area *B* is 22 hours. Each student mu complete an 8-hour sequence at the first level. At present the three quences available are GSB 101–8 (4,4) (history), GSB 103–8 (4, (sociology-economics), and GSB 105–8 (4,4) (black experience).

At the second level a sequence of 8 hours is required. At present t two sequences available are GSB 201–8 (4,4) (anthropology, psych ogy) and GSB 203–8 (4,4) (government, geography).

At the third level, the student may select any two GSB courses nu bered 300–399 for 6 hours of credit. (Note the exception if this is the a of the student's waiver.)

Area C—The Area *C* requirement is 22 hours. At the first level, t student must complete 8 hours. As presently constituted, the stude must complete GSC 151–3 (poetry) and one of the courses GSC 155 (art), GSC 156–5 (music), GSC 157–5 (dramatic media), or 158–5 (fi arts).

At the second level the student takes GSC 252–4 (logic) and one of t courses GSC 253–4 (literary masterpieces) or GSC 254–4 (philosophi masterpieces).

Third-level requirements are completed by any two GSC courses nu bered 300–399 for 6 hours of credit. (See note about waiver.)

Area D—This area requires 18 hours. Nine of these are satisfied GSD 101–6 (3,3) (English composition) and GSD 103–3 (speech). T remaining 9 hours are met by completing either a sequence of three G eral Studies courses in one foreign language or a sequence of 9 hours General Studies courses in mathematics. Foreign language courses n being offered are: GSD 123–9 (3,3,3) (French); GSD 126–9 (3,3, (German); GSD 136–9 (3,3,3) (Russian); GSD 140–9 (3,3,3) (Spa ish); GSD 144–9 (3,3,3) (Italian).

Mathematics sequences which may be selected are GSD 112–9 (4, (Introduction to Mathematics) or GSD 114–9 (5,4) (algebra, trigonon try) or GSD 114–9 (5,4) (algebra, statistics). In making the choice tween foreign language or mathematics, the student should note that so concentrations and degrees have specific requirements in these subje The student should check those requirements before he makes his sel tion. Students having had high school foreign language or mathemat should see a General Studies adviser for exemption or advanced standi

Area E—The requirement for Area *E* is 6 hours. On the first level Area *E*, each student is required to take GSE 116a–1 (swimming), a GSE 102–1 (physical fitness—men) or GSE 112–1 (basic body movem —women) plus 1 additional hour of General Studies physical educati courses, thus making a total of 3 hours. A student who passes a swim t or for whom no swimming facilities are provided must take 102 or 112 a 2 hours from 117 or 118. Until adequate facilities are available, each s dent, for General Studies purposes, is excused from 1 hour of physical education requirement for each quarter of attendance in wh more than one-half of his credit hours are taken at Edwardsville.

On the second level, each student is required to take GSE 20 (health education).

In summary, the student must satisfy a total of 84 hours of credit General Studies.

In each of the Areas *A*, *B*, and *C* he presents 22 hours except for the rea of his waiver (see the following section) in which he presents 16 ours. Area *D* requires 18 hours and Area *E* requires 6 hours.

Flexibility, Variations, and Exceptions

he total requirements of General Studies may be partially satisfied, re-uced, or modified by several considerations which are discussed in this ection.

The Third-Level Waiver

ach student is entitled to waive the third-level courses in the area (*A*, *B*, r *C* only) most closely related to the area in which he will concentrate is work. The following third-level waivers have been approved:

Area A—applied science; biology; chemistry; engineering electronics, ngineering physics; general science and mathematics; health, recreation, nd physical education; mathematics; medical technology; nursing; and hysics.

Area B—American studies (*B* or *C*), anthropology, business adminis-ration, business teacher education, economics, geography, government, istory, psychology, sociology, and speech pathology and audiology (*B* or *C*).

Area C—American studies (*B* or *C*), art, art education, elementary ed-cation, English, foreign language, music, philosophy, professional writ-ng, special education, speech, speech pathology and audiology (*B* or *C*), nd theater.

Advanced Standing

t is possible for a student to gain advanced standing (that is, to by-pass ertain requirements without credit in the corresponding courses) in some reas. Eligibility for advanced standing is determined upon the basis of igh school preparation in the area, scores on the A.C.T. test, and/or scores n special advanced standing examinations. The student should consult is General Studies adviser about specific possibilities for advanced stand-ng. Following are the current criteria or qualifications for advanced stand-ng for certain General Studies courses in each area. (The A.C.T. percen-iles used are college-bound percentiles.)

AREA A

01a–5 Introduction to Physical Science (physics).
One year of high school physics, 25th percentile on A.C.T. mathematics test, and 85th percentile on A.C.T. natural science test; or by examination.

01c–3 Introduction to Physical Science (chemistry).
One semester of high school chemistry, 25th percentile on A.C.T. mathematics test, and 85th percentile on A.C.T. natural science test; or by examination.

10a–4 The Earth and Its Environment (earth science).
One course of earth science in high school, 85th percentile on A.C.T. natural science test; or by examination.

10a,b–8 The Earth and Its Environment (earth science).
One year of earth science in high school, 85th percentile on A.C.T. natural science test; or by examination.

201a,b–8 Man's Biological Inheritance (biology).
Two years of high school biology with a minimum grade of
85th percentile on A.C.T. natural science test.

AREA B

101b,c–8 Survey of Western Tradition (history).
One year of world, western, or European history in high scho
90th percentile on A.C.T. social science test; or by examinati
103a–4 Sociology-Economics (sociology).
A course in sociology in high school, 90th percentile on A.C
social science test; or by examination.
201c–4 The Individual and His Cultural Environment (psychology)
A course in psychology in high school, minimum grade of
85th percentile on both the natural science and social scie
sections of A.C.T.
203a–4 American Politics in the World Environment (government)
A course in American government in high school, 90th perc
tile on A.C.T. social science test. (Advanced standing will
meet the Constitution requirement.)
203b–4 American Politics in the World Environment (geography).
A course in geography in high school, 90th percentile on b
the social science and the natural science sections of the A.C
or by examination.

AREA C

151–3 Introduction to Poetry (composition and poetry).
By examination only.
253–4 Literary Masterpieces of Antiquity.
By examination only.
254–4 Philosophical Masterpieces.
By examination only.

AREA D

101a–3 English Composition (composition and literature).
Minimum ranking of 70th percentile on English section of A.C
and 85th percentile on E.T.S. Reading Comprehension Test (
ministered on campus).
101b–3 English Composition (composition and literature).
By examination only.
103–3 Oral Communication of Ideas (speech).
A course in speech in high school, 85th percentile on A.C.T. E
lish test; or by examination.
123–144 Foreign Languages.
Student is exempted from the 9-hour sequence if he has had t
years of foreign language in high school; or by examination.
114a–5 College Algebra.
A course in college algebra, a year of plane geometry, a cou
in trigonometry, 75th percentile on A.C.T. mathematics test;
by examination.
114c–4 Trigonometry.
Two years of algebra, a year of plane geometry, a course
trigonometry, 75th percentile on A.C.T. mathematics test; or
examination.

Proficiency Examinations

udents with superior backgrounds in certain subjects may qualify to ceive credit in related courses by demonstrating their achievement rough proficiency examinations. These examinations are available in General Studies courses as well as certain courses in other subjects.

The Proficiency Examination Program (including non-General Studies urses as well as General Studies courses) is administered by the Dean the General Studies Division.

A student who desires to take a proficiency examination should initiate e procedure with a General Studies adviser. The adviser has the student l out the form for requesting the examination, and furnishes related formation if requested to do so. In most cases, course guides and read- g lists are available for persons interested in taking the proficiency amination.

Any student may take any available proficiency examination subject to e following limitations: (a) A maximum of 48 hours, including credit rned through the College Entrance Examination Board's Advanced acement Program, may be gained through proficiency examinations.) A student may not take a proficiency examination for a specific urse more than once, nor may he take a proficiency examination in a urse in which he has previously received a grade, nor in a course which a prerequisite for a more advanced course which the student has al- ady completed. (c) No credit granted by proficiency examination may recorded until the student has earned at least 16 hours' credit of *C* ade or above in residence at this University.

After a student has completed a proficiency examination, he shall be anted credits and grade-points according to the grade achieved on the st, as follows: (a) If a student receives a grade of *A* or *B* on a pro- iency examination, his record shows the name of the course, hours of edit granted, the grade earned, and a notation "credit granted by oficiency examination" and the grade earned counts in the grade- int average. (b) If a student receives a grade of *C* on a proficiency amination, his record shows the name of the course, the hours of edit granted, and a notation, "credit granted by proficiency examina- n," and the grade earned does not count in the student's grade-point erage. (c) If a student receives a grade of *D* or *E* on a proficiency ex- ination, he does not receive credit and his record shows nothing re- rding the proficiency examination. However, the proficiency examina- n grade report form is filed in the student's folder for reference pur- ses, and to prevent re-examination.

Substitution

a limited number of cases, a student may be permitted to substitute urses in other disciplines for the regularly prescribed General Studies urses. The following substitutions have been approved for students ose concentration is in the Science and Technology Division or in the vision of Nursing: Physics 206a,b–10 for GSA 101a–5; Physics 6a,c–10 for GSA 101a–5; Physics 211a,b–8 for GSA 101a–5; Physics 1a,c–8 for GSA 101a–5; Chemistry 110–4 for GSA 101c–3; Chemistry 1a–5 for GSA 101c–3; Chemistry 111b–5 for GSA 101c–3; Mathematics 1a,b–10 (no longer offered) for GSD 114a,c–9; Mathematics 111a,b–10 o longer offered) for GSD 114a–5; Mathematics 410–8 for GSD 114d–4.

Students concentrating in Art and Design may substitute Art 225a,b,c for one of the General Studies courses: GSC 155, 156, 157, or 158.

Students may upon the approval of the Dean of General Studies app up to 8 hours of Student Colloquium credit toward meeting the requir ments of the General Studies Program. See page 37.

College Entrance Examination Board

A high school student who is qualified through registration in an a vanced placement course in his high school or through other special educ tional experience may apply for advanced placement and college cred through the Advanced Placement Program of the College Entrance E amination Board, 475 Riverside Drive, New York, New York 10027.

Advanced classes which qualify for this purpose are offered in ma high schools in specific subjects, such as English composition, a forei language, history, biology, chemistry, mathematics, or physics. A nation examination is given in each subject, administered through the Educ tional Testing Service, which is intended to measure the achievement the student, and determine at what point the student should begin colle study of that subject. Each examination is prepared by a national co mittee of high school and college teachers. Grades are assigned as follow 5, high honors; 4, honors; 3, creditable; 2, pass; and 1, fail. The mark papers are sent to the university which the student has indicated that will attend. To receive credit, a person must normally earn a grade of 4, or 3 on the examination provided by the College Entrance Examir tion Board at the completion of the high school course.

Ordinarily, the maximum credit granted through the CEEB examir tions is 16 hours. It is non-resident credit, does not carry a grade, and not used in computing the student's grade average. Credit granted another accredited college or university under this plan is transferal to this University up to a maximum of 16 hours. A student may appeal his academic dean to be granted more than 16 hours.

The following courses are those in which a student may currently ea credit through the Advanced Placement Examination of the Colle Entrance Examination Board.

(1) Physics: 206a–5, 206b–5, 206c–5.

(2) Chemistry: GSA 101c–3, 111a–5, 111b–5, 111c–5.

(3) Biology: GSA 201a–4, GSA 201b–4.

(4) History: European: GSB 101b–4, GSB 101c–4; American: G 300a–3, GSB 300b–3, GSB 300c–3.

(5) English: GSC 151–3, GSD 101a–3, GSD 101b–3.

(6) Foreign Languages: French: GSD 123–9, French 123–3, Fren 201–3; German: GSD 126–9, German 126–3, German 201–3; Spanis GSD 140–9, Spanish 140–3, Spanish 201–3.

(7) Mathematics: 150a–4, 150b–4.

As previously indicated, students who achieve a grade of 5, 4, or 3 the CEEB Advanced Placement Examinations receive credit for t appropriate courses, except in chemistry where a score of 3 does n provide credit.

College Level Examination Program

Southern Illinois University will grant credit to both currently enroll and prospective students for successful completion of the College Le Examination Program (CLEP) Tests under the following conditio

1. A maximum of 48 units (hours) can be earned through CLEP. This edit is applicable toward the Bachelor of Science or Bachelor of Arts gree or to undergraduate certificates offered by the University.
2. The score on each test must equal or exceed the 50th percentile on e national college sophomore norm which is a scaled score of approxiately 500. Separate scores are reported for each of the tests comprising e General Examinations. Credit, therefore, will be allowed for the tests dividually.
3. Credit will be awarded in Subject Examinations when approved by e Faculty offering comparable courses. General Studies advisers will able to furnish information regarding Subject Examinations which have en approved for credit.
4. Test credit will not be allowed when a student previously has received edit in comparable courses. For example, credit via the Mathematics st of the General Examinations will not be allowed when credit in llege Algebra has been established previously. In addition, test credit ll not be granted when a student is currently enrolled in a comparable urse.
5. Students will be permitted to take examinations for which comparle credit has not been established previously, regardless of the total ount of credit earned to date.
6. An individual may take the tests prior to enrollment in this Univery and still receive credit. Final recording of credit upon the Permanent cord Card, however, is contingent upon satisfactory completion of at st 9 units of degree credit work in Southern Illinois University. The st credit will be entered on the student's Permanent Record Card at at time.
7. All individuals who desire to have CLEP Test scores evaluated for edit must complete the Request to Determine Eligibility form. This ould be done prior to taking the examination but can be done later. nal decisions on credit for those passing examinations cannot be made, wever, until the form has been completed and, if indicated, transcripts rnished. Individuals whose eligibility to take the tests for credit has been tablished will be notified whether or not any credit has been granted proximately one month after the date of the tests.

The tests are administered locally at the official CLEP Testing Center the Forest Park Community College in St. Louis. The tests will be ven on the third Saturday of each month. For further information con-ct: Dean of Student Personnel Services, 5600 Oakland Avenue, St. uis, Missouri 63110; or telephone: 644–3300, Station 333.

Individuals who take the tests and who wish to apply for credit through uthern Illinois University should have the results sent to: Admissions fice, Southern Illinois University, Edwardsville, Illinois 62025.

GENERAL EXAMINATIONS

e following amount of credit is offered for the corresponding General amination: English Composition—6 units; Humanities—4 units; Mathatics—4 units; Science—8 units; Social Science-History—4 units.

SUBJECT EXAMINATIONS

hen approved by the Faculty offering the courses for which Subject aminations have been taken, credit will be awarded on the basis of the mber of credit hours in the pertinent courses.

Modifications of the Original General Studies Program

Students who matriculated under the original General Studies Progra (1962–1966) may be able to benefit by utilizing certain provisions of t revised program.

If the student chooses, and the faculty of his concentration appro in writing, he may exercise a third-level waiver under the new patte instead of a first-level waiver as under the original pattern.

If the student did not have a waiver originally, he now has one as as General Studies is concerned.

A student under the original General Studies Program may now able to meet a first- or second-level sequence requirement with new cours in an 8-hour sequence instead of the previously required 9 hours. If t student has an incompleted sequence, he should discuss with a Gene Studies adviser the appropriate means of completing the sequence.

Effect of Concentration Requirements

The student should be careful to note that certain areas of concentrati (as described elsewhere in this catalog) have specific requirements whi have the effect of reducing the choices the student normally has in Ge eral Studies. For example, the area of concentration may require a speci General Studies course or sequence whereas the General Studies requi ments provide an option or a waiver. It should be clear to the student th these are requirements of the concentration, not of General Studies.

Transfer Credit

See the section, General Studies and the Transfer Student, at the end this chapter.

The General Studies Advisement Office

The General Studies Division maintains a General Studies Adviseme Office at the Edwardsville and Alton Centers for the assistance of studen

Each student in the Division is required to be advised by a Gene Studies adviser for each term of attendance. Appointments for such a visement should normally be made early in the preceding quarter, well advance of the registration period for the quarter in which the stude plans to attend. Appointments may be made with the General Stud Advisement Office at Alton or at Edwardsville regardless of which cen the student plans to attend. New students are sometimes advised as pa of a group orientation procedure and should not make individual appoi ments for advisement if the group orientation and advisement is bei provided.

If a student has made a tentative selection of his educational go the adviser assists the student in selecting courses in his area of spec interest if it is appropriate to do so. The adviser can refer a student other sources of assistance, including concentration advisers, if more d tailed information about specific programs is needed. Questions relat to the specific applications of the General Studies requirements should clarified with a General Studies adviser while the student is in the Ge eral Studies Division.

The General Studies Advisement Office does the initial processing declarations of concentration, change of concentration, requests for p ficiency examinations, advanced standing, etc.

Probationary Students

e General Studies Advisement Office advises those students who are on bation and have not yet officially declared a concentration. Advise- nt for probationary students with officially declared concentrations is responsibility of the students' own academic units.

A student on probation may not take more than 14 hours without spe- l permission. If a probationary student is employed full-time, 7 hours he normal maximum.

t is especially important that students on probation understand the es relating to scholastic standing as summarized on pages 9–10.

Transition from the General Studies Division to Another Division

student ordinarily is classified into the General Studies Division until officially declares an area of concentration. In order to do this, he must ve completed 64 quarter hours of credit. He is required to make this claration before he enrolls for his 97th hour. The student initiates his claration of concentration in the General Studies Advisement Office. er a student has officially declared a concentration, he is classified into academic division which grants the degree sought by the student. If tudent is going into an associate degree curriculum, however, he may lare his concentration and be classified into the appropriate division hout having completed any hours. In fact, it is desirable for such a dent to make his declaration as early as possible.

The student should not confuse the official declaration of concentration h the indication of interest forms used while the student remains in General Studies Division.

A student who wishes to change his area of concentration should return the General Studies Advisement Office to initiate a new declaration of centration.

A transfer student entering with 96 or more hours must make an official laration of concentration with the General Studies Advisement Office ore he registers for classes.

General Studies and the Transfer Student

dents who transfer to Southern Illinois University from an accredited versity, college, or junior college have their work evaluated for purposes meeting the general degree requirements, including the General Studies uirements. Three-fourths of the credit hours accepted for transfer must e a grade of *C* or higher. All grades earned at other institutions are d in determining the student's grade-point average. In general, equiv- nt work in appropriate areas is applied to meet the requirements. Other rses may be accepted for general credit and may apply toward concen- ion or other requirements. Students now attending another college who nd to transfer to Southern Illinois University should plan their courses omplete specific sequences if possible.

Semester hours transferred are computed on the basis of 3 quarter hours' dit for each 2 semester hours accepted. A student transferring a 3 ester hour course, for example, will receive 4.5 quarter hours' credit.

f, at the time of original entry into the University, the transfer student iven *no* credit for course work in one of the General Studies Areas *A*, or *C*, he must complete the requirements of that area, sequence by uence, in the same manner as regular students.

If the transfer student is given credit for previous work in an area General Studies, he must complete the requirements of the area by tak General Studies courses so that his total university and college experie meets the following standards.

For Area *A,* he must complete 22 hours in science (physics, chemis biology, earth science, etc.). A minimum of three specific fields which cludes work in both the physical and the biological sciences must be cluded. A maximum of 6 hours' credit at the third level may be app toward the area requirement.

For Area *B,* he must complete 22 hours in the social sciences (geo phy, history, economics, government, sociology, psychology, anthropol etc.). At least three specific fields must be included. A maximum hours at the third level may be applied toward the area requirement.

For Area *C,* he must complete 22 hours in the humanities and fine (art, music, literature, philosophy, logic, etc.). At least three distinct fi must be included. A maximum of 6 hours at the third level may be app toward the area requirement.

The 22-hour requirement is reduced to 16 hours in the area of the dent's third-level waiver (*A, B,* or *C*).

For Areas *D* and *E,* he must complete courses essentially equivalen those required of the regular student. If a student has taken 9 qua hours (or 6 semester hours) of Freshman English (combined composi and literature, or composition only) at another university or college, t credits are normally applied to this University's requirement of G 101a,b and GSC 151. A grade equivalent to *D* within such a seque however, is not acceptable for transfer.

4 / Instructional Units

General Studies Division

S. D. Lovell, *Dean*
Man's Physical Environment and Biological Inheritance; Man's Social Inheritance and Social Responsibilities; Man's Insights and Appreciations; Organization and Communication of Ideas; Health and Physical Development

e General Studies Division administers and coordinates the General idies Program. It is also responsible for the academic advisement of shmen and sophomores who are working toward a baccalaureate degree. ee preceding chapter which discusses in detail the General Studies ogram.)

Business Division

Kenneth H. Myers, *Dean*
Accounting; Business Administration; Business Education; Economics; Finance; Management Systems; Marketing; Personnel and Industrial Relations; Production

e Business Division provides educational preparation for young men l women who plan careers in business and in the related professional ds of economics and business education. The following degree proms are offered:

Business Administration—The Bachelor of Science degree with a contration in business administration is granted by the division. Stuts supplement the general program in business with a sequence of rses in one of the following specializations: accounting, general; acnting, professional; business administration, general; economics; fice; management systems; marketing; personnel and industrial relas; and production.

Economics—Two somewhat different degree programs are granted by division, the Bachelor of Science degree with a concentration in econics and the Bachelor of Arts degree with a concentration in economIn addition, the Education Division offers a degree program in which dents may choose to specialize in economics.

Business Education—The Bachelor of Science degree with a concentra in secretarial and office administration is offered by the Business ision. In addition, the Bachelor of Science degree with a concentra in business-teacher education is granted by the Education Division. first of these degree programs is intended for students who will enter iness directly, and the second for those planning to enter the teaching fession.

A General Philosophy

The General Studies Program of the University undergirds each of t degrees offered by the Business Division and assures the student of broad base in the cultural heritage of this society as well as in the s entific and technological foundations of this dynamic age. Beyond the considerations, the Business Division has the following general objectiv

1. To encourage recognition of the transitory nature of even the best present theory and practice in each of its fields, and to this end to anti pate and facilitate scientific, technological, and cultural advanceme rather than to disparage and resist it.
2. To identify and emphasize that which is fundamental to each of disciplines, and to this end to stress conceptual and analytical capabil rather than the power to recall facts or to repeat routines.
3. To encourage an inquiring mind, a constructive skepticism, and creative outlook; and to this end to sharpen the ability both to perce problems and to transform them into opportunities for positive action
4. To emphasize the importance of communicating facts, concep analyses, and proposals clearly and succinctly, whether in oral or writt form, and before large groups as well as small, and to strengthen ski pertaining thereto.
5. To advance the concept that an individual's education can be a should be a continuing process; to encourage both formal and inform programs of post-graduate development as technology advances and dividual responsibilities grow.
6. Above all, to temper the carefully calculated response with cons eration for one's fellowmen and to hold to a high standard of personal tegrity and social responsibility both in professional and personal life.

These general objectives impinge both upon the Business Divisio curriculum, or choice of subject matter, and its pedagogy, or choice teaching method. In respect to the latter, the Business Division endeav to use the methods of teaching which consider the students as active p ticipants in an on-going learning process rather than as passive vess into which a certain quantity of knowledge is to be poured at daily l tures and measured at quarterly intervals. It follows that the quality the student's intellectual processes, as well as his knowledge of particu subject matter, are factors of vital concern to the Business Division.

Education Division

W. D. Wiley, *Dean*
Counselor Education; Early Childhood Education; Educational Administration; Elementary Education; Foundations of Education; Health Education; Instructional Materials; Physica Education; Psychology; Secondary Education; Special Educati

The general objective of the Education Division is to contribute to State of Illinois' general effort to expand and improve all levels of edu tional opportunity available to residents of the area surrounding campus. The Division, therefore, steadily addresses itself to the chang educational dimension of the overall development problems of the mediate service area and the State. The region's educational needs t shape the Division's programs of instruction, research activities, and fi services.

Fine Arts Division

ANDREW J. KOCHMAN, *Dean*
Art and Design; Mass Communications; Music; Speech and Theater

ne objectives of the Fine Arts Division are to broaden and intensify exriences in the fine arts and communicative arts and related sciences in e area served by the University; to impart to all University students an vareness of the cultural values of the arts; in visual and plastic art and sign, music, speech, theater, speech pathology and audiology, radio, levision, journalism, and film; to provide facilities for the creative and holarly pursuit of the arts; and to offer specialized courses of study to rve the ends of liberal and professional education. The performing arts e emphasized through exhibitions, concerts, lectures, and theatrical oductions.

Humanities Division

GERALD J. T. RUNKLE, *Dean*
American Studies; Comparative Literature; English Language and Literature; Foreign Languages and Literature; Journalism; Philosophy; Professional Writing

ne Humanities Division provides instruction in the intellectual discines of English and other languages, of literature, and of ideas. The vision is concerned with instruction in the reading, writing, and speakg of English and other languages, the development of an understandg and appreciation of literature, and the concomitant recognition of its vilizing values. The Division guides advanced students in methods of udying and arriving at comparative evaluations regarding the works, en, and movements that make up literary and intellectual history. All udents are encouraged to think and to write rationally, imaginatively, d responsibly as they learn to identify persistent human problems and eir classic and current solutions.

Science and Technology Division

LAURENCE R. MCANENY, *Dean*
Biology; Chemistry; Engineering; Mathematics; Physics; Science and Technology

ne Science and Technology Division offers courses of study in mathetics, the natural sciences, and engineering.

Candidates for the Bachelor of Arts or the Bachelor of Science degree th concentrations in any of the disciplines in the Science and Techlogy Division must meet the following requirements:

1. At least 48 hours of credit in one area of concentration with a minium grade-point average of 3.00.
2. A minimum grade-point average of 3.00 for all courses in the area of ncentration numbered above 299.
3. At least 9 hours of credit in the area of concentration in courses mbered above 299 must be earned at Southern Illinois University thin two years preceding the completion of requirements for the degree ing sought.

4. Upon completion of 64 hours of credit, each student in the divisi must file a tentative curriculum outline with his division adviser.

Candidates for the Bachelor of Science degree in education who sele an area of concentration within the Science and Technology Divisi must have at least 48 hours (or 36, if two 27-hour concentrations are cor pleted in other areas of study) in that area with a minimum grade-poi average of 3.00 overall and for all courses numbered above 299.

A secondary concentration within the Science and Technology Divisi must include at least 27 hours of credit with a minimum grade-poi average of 3.00. Specific requirements, if any, are listed in this catal under the heading Secondary Concentration for the particular disciplin

To qualify for honors in an area of Science and Technology, one mu complete at least 48 hours of credit, or the equivalent, in that area i cluding successful completion of 9 hours of the corresponding hono program.

Social Sciences Division

EARL S. BEARD, *Dean*
American Studies; Anthropology; Geography; Government; History; Sociology

The Social Sciences Division offers courses designed to enable the st dent to achieve an understanding and appreciation of civilization viewe in historical perspective, and to gain, through the various social science an awareness of the society of which he is a part and of his role in it. H studies give him insights and understandings which enable him to li more constructively with others in his family, community, and nation ar which provide him with a better understanding of social organizatior technologies, and the nature and variety of human beliefs and attitudes

Division of Nursing

LUCILLE MCCLELLAND, *Dean*

The Division of Nursing shares and functions within the philosophy the University which promotes the ideal of respect for man, acceptan of responsibility, the pursuit of knowledge, and the development of se direction.

The faculty subscribes to the belief that nursing is a dynamic, ther peutic process that recognizes the intrinsic value of man. Profession nursing is the comprehension of and the ability to apply scientific prin ples and techniques from the natural and behavioral sciences and t capacity to become therapeutically involved in a variety of huma situations.

The program of the Division of Nursing is approved by the Illinois D partment of Registration and Education and accredited by the Nor Central Accrediting Agency. Graduates of the program are eligible to ta the licensing examination for registered nurses.

Applicants to the program may be either high school graduates registered nurses. Applicants must meet all of the requirements for a mission to the University. Registered nurses who wish to work towa the Bachelor of Science degree in nursing must meet the General Studi requirements, prerequisites for nursing, divisional requirements, as w as the Professional Nursing Education Requirements. (See page 69

)pportunities exist for students who have completed nursing courses else-/here to accelerate their education by taking specified proficiency xaminations.

Throughout the nursing program there are additional expenses for niforms and incidentals. Students may live at home, in residence halls, r in University-approved off-campus housing.

Various hospitals and community agencies are used for clinical labora-ory experience. Students are responsible for providing their own transpor-ation and appropriate automobile insurance. In addition students are equired to have nursing malpractice insurance prior to the first clinical xperience, and it must be maintained throughout the program.

Aerospace Studies

MAJOR MURRAY J. HANCOCK, JR., *Commander*

The objective of the Air Force Reserve Officers Training Corps program s to qualify students for appointment as Second Lieutenants in the Jnited States Air Force. The Air Force ROTC unit at Southern Illinois Jniversity, Edwardsville, is a senior division unit established in Sep-ember 1965. It is administered by commissioned officers of the USAF ho have been assigned by Department of the Air Force with approval f the University.

The Air Force ROTC program at Edwardsville is a two-year course of udy. To compete for entry into the program an applicant must qualify ompetitively on a written exam, pass a physical examination, and be elected by an interview board of Air Force Officers. Selected applicants ust first successfully complete a six-week field training course conducted t an Air Force base prior to entry into the two-year program. The ap-licant must have two academic years of undergraduate or graduate study r combination of the two remaining. Upon completion of the two-year rogram, the Professional Officer Course, and the institutional require-ents for a degree, the cadet is commissioned as a Second Lieutenant in ie U.S. Air Force. Unless he is granted an educational delay to pursue r continue graduate work, the new officer enters active duty shortly after raduation.

The six Professional Officer Courses (POC) are designed to provide ie fundamental training, both personal and professional, which will best quip a cadet to become an effective junior Air Force Officer possessing high growth potential and, if qualified, to develop and stimulate a grow-g desire on his part to enter the Air Force Flight Instruction Program. mphasis is given, both in theory and practice, to outlining the leader-ip and managerial responsibilities of squadron-level officers, to improv-g oral and written expression, and to learning techniques of the prob-m-solving process. Field trips to Air Force bases supplement classroom struction by familiarizing the cadet with Air Force operations and or-anization.

Qualified senior Air Force ROTC cadets interested in becoming Air orce pilots participate in the Flight Instruction Program. Each FIP udent receives thirty-six and one-half flying hours at an FAA approved ying school.

The 18 academic hours (six courses of 3 hours each) of the Professional fficer Course are allowable toward a bachelor's degree.

Six non-credit hours of Corps Training (six courses meeting one hour

per week each quarter) are taken concurrently with the Professional O ficer Course. These courses provide leadership training experiences whi will improve a cadet's ability to perform later as a USAF officer.

Air Force ROTC textbooks will be loaned to all ROTC studen

Selection of students for application and/or enrollment will be ma by the Professor of Aerospace Studies as provided in Public Law 88–6 from qualified applicants as follows:

1. Personal qualifications.
   a. The applicant must qualify competitively on the Air Force C ficer Qualification Test.
   b. The physical standards prescribed for appointment to the Unit States Air Force Reserve in AFM 160–1 will apply.
   c. The applicant must be accepted as a student in Southern Illin University and be in good academic standing.
   d. The applicant must have not reached his twenty-fifth birthday the time of initial enrollment in the POC.
   e. An applicant must have:
      (1) been selected and successfully completed six weeks fie training; or,
      (2) completed the General Military Course. This is for transf students from institutions which offer the Air Force ROT four-year program; or,
      (3) had previous training or honorable service. On the basis previous service in the Air Force, Army, Navy, Mari Corps, or Coast Guard a cadet may request a waiver for t General Military Course.
   f. At the time of acceptance, the applicant must have two academ years remaining either at the undergraduate or graduate level a combination of the two. This will not exceed more than t academic years prior to completing all prerequisites for an und graduate degree from the University.
2. Condition of Service. All POC students will become members of t Obligated Air Force Reserve and will be under contract with t Government. The contract will contain the following provisions:
   a. The student agrees:
      (1) unless sooner released for the convenience of the Governme to complete the POC.
      (2) to accept an appointment as Second Lieutenant, Unit States Air Force Reserve, if and when tendered.
   b. The Department of the Air Force agrees to pay the student a tention fee at a monthly rate as announced. The current rate $50 per month for a maximum period of twenty months.
3. In addition to the monetary emoluments listed above, the POC cad receives:
   a. An officer-type uniform. The uniform remains in the possession the cadet during his two-year enrollment and becomes his proper upon the successful completion of the Air Force ROTC progra
   b. In excess of $125 for the six-week training course and a tra allowance to and from that place of training.

Air Force ROTC Awards

Awards are presented to outstanding cadets during each academic ye Details concerning such awards are announced at appropriate tim

University Extension Services

RAYMOND H. DEY, *Dean*
H. BRUCE BRUBAKER, *Assistant Dean*

he University Extension Services is an all-university agency with offices n both the Carbondale and Edwardsville Campuses. Its major function is impart knowledge to persons not in regular attendance at the Univerty. This is done in two ways: (1) The Extension Class Program, and 2) The Educational Conference Program.

Extension classes, which offer college credit and are identical to similar asses offered on the campus, are scheduled in the various communities the southern half of the state of Illinois or are offered by radio or telesion for Southern Illinois residents, where there is a need for them. lasses are also scheduled in foreign countries when there are definite adntages to having them offered there.

The Educational Conference Program is conducted on both campuses the University and occasionally off campus in nearby cities and towns. ssistance is not only given for local conferences but for state and naonal conferences. Persons attend these conferences from the state of linois, from all parts of the country, and in some instances from all over e world.

The University Extension Services, in its programs, uses professional culty members, distinguished visiting authorities, library facilities, rious teaching aids, and many other resources of the University in caring out its function.

Policies and Procedures of the Extension Class Program

CLASS MEETINGS

ree-hour Extension classes meet weekly for a period of 12 weeks, each eeting being 2½ hours in length unless otherwise stated. Four-hour xtension classes meet weekly for a period of 16 weeks, each meeting ing 2½ hours in length, or weekly for 12 weeks with 4 extra meetings ing arranged by the instructor and the group, with the exception that hour graduate classes meet weekly for 12 weeks.

FIRST CLASS MEETING

he date of the first meeting of an Extension class is arbitrarily set by e Extension dean. The instructor and the group, at the first meeting of e class, decide upon which day of the week subsequent meetings are to held if the instructor has other days available.

TUITION AND FEES

uition is $6.00 per quarter hour of credit plus a $1.05 textbook rental e. The textbook rental fee must be paid by all students, including holds of Normal School and Military scholarships, except graduate students o must purchase, or make other arrangements for, their books. (The structor has the privilege of requiring the purchase of additional books d materials.)

REGISTRATION

gistration for Extension classes will be conducted by the instructor dur- the first and second meetings of the class. Students are urged to reg-

ister at the first meeting. Students registering after the second meeting the class must have unusually good reasons for doing so which must b approved by the dean of University Extension Services. A late registra tion fee of $5.00 will also be charged.

All Extension students must have their Social Security numbers wit them in order to complete their registration at the first class meeting.

AUDITING

Persons not interested in receiving credit may audit courses, if facilitie are available, by receiving permission from the instructor. Auditors pa the same fee as those who register for credit.

TEXTBOOKS

Undergraduate students will be able to obtain rented textbooks at th first meeting of the class. Graduate students may either purchase boo at the first meeting of the class or complete a form for ordering them. this case, the books ordered will be available at the second class meetin

LIBRARY FACILITIES

Each instructor may, if he so desires, take a number of supplement reading books, perhaps thirty or forty, to his Extension class. These boo are readily available to the student, as they are kept in the room whe the class is conducted. Students are also issued a Library Permit whi enables them to use any of the libraries at any of the centers. There is charge for these services.

EXTENSION CREDIT APPLICABLE TO THE BACHELOR'S AND MASTER'S DEGREES

Extension credit may be applied to meet graduation requirements or t wards a master's degree. University policy provides, however, that n more than one-half of the total credit required for graduation, or 96 hou may be obtained in off-campus courses. Sixteen hours of Extension cre may be applied toward a master's degree.

COURSE NUMBERING SYSTEM

Any 400-level course may be used for either undergraduate or gradua credit. The 500-level courses are open to graduate students only. Or students who have graduate standing or more than 96 hours of und graduate credit, which is at least junior standing, may register in a 4 level course. Other Extension courses are open to students who are hi school graduates or over 21 years of age (students who have been forc to drop school because of low grades are not eligible for Extension wo unless permission is obtained from the proper campus academic dea Those starting to work toward the master's degree must come to t Graduate School Office before the end of their first course and have adviser assigned to help plan the rest of their graduate program.

SCHEDULING EXTENSION CLASSES

Extension courses will be scheduled under the following three conditio (1) Where it is apparent that there is a need present and adequate rollments to justify scheduling the class; (2) When it is possible to obt a faculty member to teach the class; and (3) When adequate laborat and library facilities are available.

Educational Conference Program

PURPOSE OF THE PROGRAM

he Educational Conference Program was established to provide profes-onal aid in planning and conducting conferences, institutes, workshops, ort courses, and other special events held on the Southern Illinois Uni-rsity campus. Through conferences and other special events, the re-urces and facilities of the University can be utilized to meet the con-nuing educational needs of adults.

ORIGIN OF CONFERENCE

he idea of a conference may originate from one or more persons who e members of one of our academic departments or divisions, from one more persons with similar interests off-campus, from a member of the niversity Extension Services, or by a combination of these as well as her persons.

A call to the University Extension Services will set in motion the ocess which results in a specific conference.

CONFERENCE PLANNING

conference planning group is usually desirable in order to determine if ere is a real need for a conference, to better define this need, and to scuss the best personnel and conference techniques to meet this need roughout the academic year.

ASSISTANCE PROVIDED BY THE UNIVERSITY EXTENSION SERVICES

addition to helping determine and assemble a conference planning oup, to advise this group of conference techniques which will probably most successful for this particular conference, and to perform other tails incidental to planning, many other activities are often carried on the University Extension Services. Some of these activities are as llows:

1. Make arrangements for persons to appear on the conference pro-um, including subject matter specialists as well as representatives from e University Administration.
2. Assemble the conference program and have it printed.
3. Determine a mailing list and send invitations.
4. Arrange for publicity about the conference through a number of dia.
5. Reserve auditoriums and other meeting rooms.
6. Arrange for coffee hours, luncheons, and banquets.
7. Requisition microphones, movie and slide projectors, and other raphernalia of this type.
8. Arrange for registering persons attending the conference.
9. Make any special parking arrangements needed.
10. Make arrangements for lodging for conferees.
11. Arrange tours of campus and other facilities.
12. Arrange social hours for spouses of those attending the conference.
13. Meet trains and airplanes where necessary.
14. Type and distribute copies of speeches and any other material pre-ted at the conference.
15. Perform a number of other activities often necessary for a particu-conference.

COSTS

A conference registration fee is often assessed to cover some of the co ference costs. On some occasions other sources of funds are used to pa for bringing outstanding authorities to the conference and to cover oth expenses.

Division of Technical and Adult Education

ERNEST J. SIMON, *Dean*
E. R. CASSTEVENS, *Assistant Dean*

The Division of Technical and Adult Education supervises all associa degree programs and noncredit courses offered by Southern Illinois Ur versity. The associate degree programs serve adults and high school gra uates interested in obtaining a college-level course of instruction of shorter duration than the usual four-year college program qualifying the for employment at the semi-professional and technical level in indust and business. The purpose of the noncredit courses is to serve the nee of the community for educational programs that will improve the econom and social standards and provide new interests for business and indust in the community.

The associate degree programs offered by Southern Illinois Universi are listed at the end of Chapter 5 in this bulletin. Course descriptio for associate degree programs are given at the end of Chapter 8.

Adult Education

The fundamental purposes of adult education are to help strength communication skills; to help adults increase their ability and desire change in a changing world; to improve human relations; to participa as responsible citizens; to seek personal growth; and to develop creativi in leisure time and to seek ways of spending time productively. Progra brochures specifying the required courses are available from the Offi of the Division of Technical and Adult Education.

Industrial Management Program

The Industrial Management Program is designed to give present a future foremen and supervisors some of the skills and information th need for improved job performance. This program leads to the two-ye certificate in industrial management. Successful completion of eig courses is required for a certificate in industrial management. They a offered once each week for ten weeks.

In-Plant

On request from industry, courses from the Industrial Management P gram may be offered in-plant to accommodate foremen or supervis who cannot attend the evening program. Special programs may be veloped to meet the unique problems of a particular industry, or pres courses or programs may be adapted for presentation in-plant. Consul tion and advice on the total training needs of personnel in industr plants are given on request.

Traffic Management Program

The Traffic Management Program is a course of study, its purpose bei

o prepare candidates for the examinations leading to certification by he American Society for Traffic and Transportation and furnish a com-lete working knowledge of Interstate Commerce Law. This is a certifi-ate program.

Development Program for Middle Management

The Development Program for Middle Management is a program for lepartment heads, superintendents, general foremen, and the heads of mall businesses which are production-oriented. These men meet for linner once a week having an hour and a half discussion with a rec-ognized authority on a given subject before dinner and a different one fter dinner. The subjects are grouped into four broad categories and re tied together by a coordinator into an integrated program.

The purpose of the program is to assist companies in the routing de-elopment of middle managers in a changing environment. This program s designed to sharpen management skills, especially the decision-making kill; to provide opportunity for the practice of newly-developed techniques or handling quantified data; and to review the fundamentals of manage-nent.

Advanced Development Program for Middle Management

The Advanced Development Program for Middle Management is designed nly for those persons who have completed Southern Illinois University's Development Program for Middle Management. It is a fifteen-session rogram that provides further development in management skills through he case study method.

Executive Development Program

The purpose of the Executive Development Program is to provide busi-ess executives at near top management levels with an educational ex-erience, and a broadened outlook to the job of managing and directing en and resources for the total business activity.

The Executive Development Program provides opportunities to review ew developments in business management, through the vehicle of busi-ess games, case studies, and other techniques to expand their capabilities or decision-making on a broadened basis. Participants in the program are rovided with an opportunity to exchange ideas with other executives; to ngage in creative and reflecting thinking; and to improve their managerial kills.

Special Courses, Programs, and Conferences

n order to meet the special needs for adult education additional courses, rograms, and conferences are developed for those who have unique tuations.

Policies and Procedures of the Technical and Adult Education Program

ADMISSION

student must be officially admitted to the University before register-g for courses in an associate degree program. The student, to be per-itted to attend classes at Southern Illinois University, must have com-eted registration, which includes admission, advisement, sectioning, and ayment of fees.

ADVISEMENT

At the initial counseling interview the candidate for the associate degr must declare his intention and select his field of concentration and so dicate on the form provided (Student Declaration of Concentratio After the student has completed the Student Declaration of Concent tion, advisement will be the responsibility of the Division of Techni and Adult Education.

PLACEMENT SERVICES

Upon the completion of 80 quarter hours, the associate degree stud may register with University Placement Services. The student is enco aged to register early to take advantage of the opportunities for int views with the representatives of various companies. There is no f

GRADUATION

No later than the beginning of a student's last quarter, he must ap for graduation. At this time his courses and grades are reviewed by Registrar's Office to determine whether the requirements of the Univ sity have been met and by the Division of Technical and Adult Edu tion to determine whether the requirements for the associate degree h been met.

Center for the Study of Crime, Delinquency, and Corrections

CHARLES V. MATTHEWS, *Director*

The Center for the Study of Crime, Delinquency, and Corrections sp both campuses of the University—the Carbondale Campus, emphasiz adult corrections; and the Edwardsville Campus, focusing on the pr lems of delinquent youth.

The Delinquency Study and Youth Development Project, located the Edwardsville Campus, is a federal training center under the jc sponsorship of Southern Illinois University and the President's Comm tee on Juvenile Delinquency and Youth Crime. This Project, funded nually, is made possible by a federal grant of $115,988 plus a South Illinois University matching grant of $134,035. These grants were awar under the provisions of Public Law 87–274.

The staff of the project consists of an inter-disciplinary team of so scientists working at problems of youth. In the three years of its existe it has both studied the problems of youth—especially youth from ur slums—and helped train those who work with them. Demonstrative p gramming for youth, in-service training of professionals and para-pro sionals, regional conferences, and action research have been typical p ect activities.

The project offers course work in the behavioral sciences, and gradu assistantships are available for students working toward a degree in "helping professions."

Labor Institute

JOHN M. MCDERMOTT, *Director*
NORMAN JOHNSEN, *Assistant Director*

The function of the Labor Institute is to promote harmony and coop

ion between labor and management by encouraging the training of students and others interested in labor and industrial relations and to provide advice on the technical aspects of labor and industrial relations to abor, to industry, and to the public.

Center for Business Services/Small Business Institute

JOHN E. MEGLEY, *Director*

he primary objective of the Center for Business Services/Small Business nstitute is to develop executives for small businesses, rather than to reate specialists in a single field such as accounting, finance, sales, etc. Management of a smaller business requires more all-around "know-how." Vhile concepts taught are those of modern big business, the applications re directed to small business operations.

Student Colloquium

he Student Colloquium is a program in which a group of students may hemselves develop a course of study and receive credit for completion of he course. The group selects a student leader and before the beginning of he quarter files, with the Colloquium Coordinator and the Registrar, the tle and outline of the course of study or activity to be pursued. A student ay obtain up to 12 hours of credit in the program, but 4 hours is the aximum he may take for Colloquium credit in any one quarter. The ours may be used for general (elective) credit, or for General Studies edit to the extent of 8 hours (with the approval of the Dean of General tudies), or for departmental credit to the extent of 8 hours (with the pproval of the faculty chairman). Grades (Pass or Fail) are determined y the participating students, and are submitted to the Registrar at the d of the course. A minimum of five students must complete the course d participate in the determination of the final grades. A report, including the list of topics taken up in the course, the methods and approaches ed in study and presentation, comments relating to problems encountered, and the names of the participants shall be filed with the Registrar d either the Dean of General Studies or the appropriate faculty airman.

5 / Areas of Concentration

Fields of Study

Below are the fields of study in which Southern Illinois University offers course work leading to bachelor's degrees to Edwardsville Campus students. Also appearing in this chapter is information on biochemistry, dentistry, instructional materials, secondary education, and student teaching. A bachelor's degree normally requires four years of study.

American Studies
Anthropology
Art
Biology
Business Administration
Business Education
Chemistry
Comparative Literature [1]
Economics
Elementary Education
Engineering
English
Foreign Languages
Geography
Government
Health Education [1]
History
Mass Communications
Mathematics
Music
Nursing
Philosophy
Physical Education
Physical Science
Physics
Professional Writing
Psychology
Sociology
Special Education
Speech
Speech Pathology and Audiology
Theater

Below are the fields of specialization in which Southern Illinois University grants associate degrees to Edwardsville Campus students. An associate degree normally requires two years of study.

Accounting
Child Care Services
Industrial Management
Secretarial Studies

Abbreviations Used in This Chapter

Three-digit numerals are used to identify specific courses. The first numeral of the three indicates the level of that course. A letter following an identification number indicates a *part* of a course (*a* means first part, *b* means second part, etc.). A numeral separated from the identification number by a dash indicates the number of hours required in the course. For example, History 306–9 indicates a third-level course of 9 hours in the Social Sciences Division, and History of Rome 306a,b,c indicates that the course has at least three parts.

The five areas of General Studies are referred to as GSA, GSB, GSC, GSD, and GSE. The three-digit numerals following these abbreviations

[1] Secondary concentration only.

function similarly to those noted above. Numerals 1, 2, or 3 following on of these abbreviations and separated by a dash indicate the level require ment in that area. For example, GSA–3 indicates the third-level require ment in General Studies Area *A*.

Numerals in parentheses in columns of figures pertain to course hour which satisfy more than one requirement. They are in parentheses t avoid their being added into the total of the column which would be duplication of hours required. For example, under Biology, GSA 20 satisfies part of the General Studies requirements and contributes hours toward the 84 hours required. It also satisfies one of the require ments for the concentration in biology but does not contribute to th printed total of 80–82 hours.

American Studies

Bachelor of Arts Degree, HUMANITIES DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3 or GSC–3.)	8
Requirements for Concentration in American Studies	6
American Studies 398	4
English 309–8	8
Foreign Language (two or three years in a language)	(9) + 9
GSB 300–9	(6) + 3
Philosophy 381b,c, 386–4	12
Approved courses in history, social sciences, literature, philosophy, fine arts, and other areas. (At least two courses must be in speech or fine arts.)	32
Electives	4
Total	19

Anthropology

The concentration in anthropology is designed to familiarize studen with the major divisions—archaeology, ethnology, social anthropolog linguistics, and physical anthropology. A student is expected to ele anthropology courses to develop his knowledge in one of the five division

Bachelor of Arts Degree, SOCIAL SCIENCES DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3.)	8
Requirements for Concentration in Anthropology	4
GSA 365, GSB 201a, 366	10
Anthropology 330, 400, 405, 408, 409	20
Electives to complete 42 hours in anthropology chosen in consultation with the faculty	12
Secondary Concentration	
Electives	
Total	1

Anthropology courses adapted to the General Studies Program may used as electives. Students demonstrating an interest in linguistics c use English 400 to meet concentration requirements.

Secondary Concentration

A secondary concentration in anthropology consists of 27 hours. Basic requirements are GSA 365–3, GSB 201a–4, 366–3, and GSB 351b–3 or Anthropology 305a or b or c. English 400–4 may be counted as part of the concentration. The remaining 14 hours should be selected in consultation with the undergraduate anthropology adviser.

Art

Undergraduate offerings in art provide introductory and specialized studio work, an introduction to our historical heritage, and professional preparation for the future teacher. Limited offerings are available for those with an avocational interest.

The Faculty of Art and Design asserts the right to select and withhold examples of the work of each student in each class. Such works may become part of a permanent collection and be used for exhibitions as determined by the faculty.

During the last quarter of the junior year or first quarter of the senior year, any student may petition the art faculty to grant him the privilege of an exhibition of his work. Such an exhibit may be comprised of the work of an individual or may be composed of the works of several seniors. Participation in an exhibition is not required for graduation from Southern Illinois University; permission to participate is extended in recognition of industry and ability.

Bachelor of Arts Degree, FINE ARTS DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.)		84
Requirements for Concentration in Art		81
GSD FL	(9)	
Art 100–15, 202–15 (a,b,c,d required; elect e,f, or g), 225–9	39	
Art 305–4, 310–4, 358–4, 393–4, art history 6 hours	22	
12 additional hours from one of the following: ceramics, painting, prints, sculpture, or art history	12	
Art electives	8	
Electives or Secondary Concentration		27
Total		192

STANDARD SECONDARY CERTIFICATE

Requirements for certification include 8 hours in art education, GSB 331–3, Educational Administration 355–4, Counselor Education 305–4, and Secondary Education 352d–12 (31 hours).

Bachelor of Science Degree, EDUCATION DIVISION

For this degree the following courses constitute a concentration in art: 100–15, 202–15, 225–9, 300–4, 305–4, 310–4, 358–4, 365–4, 393–4, plus 4 hours of art electives for a total of 67 hours.

Secondary Concentration

One desiring a secondary concentration in art should take the following: 100–15, 202–15, and 225–6 (36 hours).

Art Education

The Education Division concentration in art education offered in cooper tion with the Fine Arts Division, leads to the Bachelor of Science degre The program prepares students to teach art in both the elementary a the secondary schools. Completion of the program qualifies a student f the Illinois Standard Special Certificate with an endorsement for teachi and supervising art from the kindergarten through grade fourteen.

Bachelor of Science Degree, EDUCATION DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3)	
Requirements for Concentration in Art Education	
Art courses: Art 100–15, 202–15, 225–9, 305–4, 310–8, 358–8 ...	59
General professional education courses: (to be taken in the order presented) Counselor Education 305–4, Educational Administration 355–4, Elementary Education 351d–8, Secondary Education 352d–8	24
Art Education courses: Art 300–12, 365–4	16
Electives	
Total	1

Biochemistry

Specialization in biochemistry normally comes at the post-graduate le of education. Adequate preparation requires extensive undergradua course work in both biology and chemistry.

The program listed below includes those courses considered to essential for advanced study in biochemistry. The student must compl a primary concentration in either biology or chemistry and will sel appropriate additional courses. A secondary concentration is not requir

Interested students should confer with the undergraduate advisers biology and chemistry.

Bachelor of Arts Degree, SCIENCE AND TECHNOLOGY

General Studies Requirements, (See Chapter 3, Waive GSA–3)	
Requirements for Biochemistry	105–1
GSA 201–8	(8)
GSD FL	(9)
Biochemistry: Biology 405–4, Chemistry 451–6, 455–2	12
Biology 301a,b–8, 302a or c–5, 303a–4, 320b,d–10	27
Chemistry 125a,b–10, 135–5, 341–9, 345a,b–4, 461–9, 465–3 ...	40
Mathematics 150a,b–8	8
One year of physics–15 ..... (5) +	10
Completion of a concentration in biology or chemistry to meet 48–hour requirement ..... (27–40)	8–21
Electives	3
Total	192–2

Biology

Biology is an appropriate concentration for individuals interested biochemistry, botany, microbiology, pre-health professional, physiolo

or zoology programs. Students planning to concentrate in biology should consult with the biology faculty representatives.

Bachelor of Arts Degree, SCIENCE AND TECHNOLOGY DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.)	84
Requirements for Concentration in Biology	80–82
GSA 201–8	(8)
GSD FL	(9)
Foreign Language (Conversation) 100–level	3
GSD 114d–4	4
One year of physics including laboratory–15 or GSA 101a–5 and Mathematics 150–8	(5) + 8–10
Chemistry 125a,b–10, a complete organic chemistry course to include some laboratory–10	(3) + 17
Biology 301–12, 302–20, 303–11, 390–1	44
One elective in biology at the 400 level (minimum of 4 hours)	4
Electives	28–26
Total	192

Bachelor of Science Degree, EDUCATION DIVISION

For this degree, the requirements for a concentration in biology are as listed above, under Bachelor of Arts degree, except that no foreign language is required. See Secondary Education requirements listed on pages 74–75 in this catalog.

Bachelor of Science Degree, SCIENCE AND TECHNOLOGY DIVISION

Students planning to enter dental, medical, or veterinary schools or to become medical technologists should at their earliest opportunity consult with the appropriate biology faculty representative to work out their individual courses of study.

Medical Sciences

General Studies Requirements (See Chapter 3. Waive GSA–3.)	84
Requirements for Concentration in Biology (Medical Sciences)	99
GSA 201–8	(8)
Biology 302a or b or c–5, and electives from 301, 302, 303, or 400 level (only one course from 400 level)	22
Chemistry 125a,b–10, 135–5, a complete organic course including laboratory–10	(3) + 22
Mathematics–9	(9)
One year of physics–15	(5) + 10
Transfer (one year from an approved dental, medical, or veterinary school)	45
Electives	9
Total	192

Upon successful completion of one year of study in a program leading to a dental, medical, or veterinary degree at an approved school, the student is credited with 45 hours toward the Bachelor of Science degree, of which 16 count toward the 64 hours of senior college credit needed for graduation from Southern Illinois University.

Medical Technology

General Studies Requirements (See Chapter 3. Waive GSA–3.)		8
Requirements for Concentration in Biology (Medical Technology) ..		1
GSA 101a–5, 201–8	(13)	
GSD 114–9	(9)	
Biology 301–12, 302–20, 303a–4, 390–1	37	
Chemistry 105–5, 125–10, 235–5, 305–6, 345–4 ..... (3)	+ 27	
Medical Technology (one year at an approved medical technology school)	48	
Total		1

Upon successful completion of one year of study and laboratory wo at a school of medical technology approved by the Council on Medic Education and Hospitals of the American Medical Association, the stude will usually be credited with 48 hours towards the Bachelor of Scien degree (of which 16 will count towards the 64 hours of senior colle credit needed for graduation from Southern Illinois University). C ordinated programs have been worked out with the following two ho pitals: Jewish Hospital, St. Louis, and St. Elizabeth's Hospital, Bell ville, Illinois.

Schools of medical technology approved by the Council on Medic Education and Hospitals of the American Medical Association requi for entrance the completion of three years (135 quarter hours) from a accredited college or university, with credit for 24 hours in biological s ence and 24 in chemistry. Students successfully completing the year study and laboratory training at an approved school of medical techn ogy are eligible to take the national registry examination conducted l the Board of Registry of Medical Technology for certification as a reg tered technologist MT(ASCP).

Secondary Concentration

A secondary concentration in biology consists of 27 hours and includes least one quarter of 302. Four hours of GSA 201 may be counted towa the 27 hours, as may GSA 300-level courses which are taught by t Faculty of Biological Sciences.

Business Administration

The academic program in business administration is designed to anti pate the needs of students who will graduate in the early 1970's a whose business careers may extend well beyond the year 2000. We assur that, as business practices and technology change, and as individual bu ness responsibilities grow or alter, our former students will need to ada continuously to the demands and opportunities of the dynamic four quarter of the 20th century. This process of continuing adjustment w be accomplished in many ways: on-the-job training, non-degree cours offered within business and by external agencies, formal academic p grams such as those leading to the Master of Business Administrati degree, and do-it-yourself programs of professional development. Southern Illinois University's graduates advance in their careers, all the foregoing modes of continuing education will be increasingly need and used.

Bachelor of Science Degree, BUSINESS DIVISION

areful planning will be needed if the student is to meet all of the de-ee requirements in General Studies, the business division core, and an ea of specialization. The Business Division maintains a special advisory aff to assist students in planning their programs.

eneral Studies Requirements (See Chapter 3. Waive GSB–3.)		84
usiness Division Core Requirements		80
Accounting 230, 231, 330	12	
Business Communications 390	4	
Economics 200, 201, any 300- or 400-level economics course	12	
Finance 320	4	
General Business Administration 140, 340, 341, 440, 441	20	
Management Science 380, 381	8	
Marketing 370, 371	8	
Quantitative Methods 210, 211, 310	12	
pecialization Requirements		16 or 28
PROFESSIONAL ACCOUNTING		(28)
Accounting 331, (341 in lieu of 330), 351–8, 442, 453, 456	24	
General Business Administration 342	4	
GENERAL ACCOUNTING		(16)
Accounting (341 in lieu of 330), 351–8, 442, 453	16	
ECONOMICS		(16)
Economics 340, 441, and electives	16	
FINANCE		(16)
Finance 420, 423, 424, 425	16	
GENERAL BUSINESS ADMINISTRATION		(16)
(To be worked out on an individual basis)		
MARKETING		(16)
Marketing 470, 473, and two of 452, 471, 472	16	
MANAGEMENT SYSTEMS		(16)
Accounting 341	4	
Management Science 380	4	
Marketing 452	4	
Production 460	4	
PRODUCTION		(16)
Production 460, 461, 462, 463	16	
PERSONNEL MANAGEMENT AND INDUSTRIAL RELATIONS		(16)
Personnel and Industrial Relations 450, 451, 452, 453	16	
lectives		12 or 0
otal		192

General Studies. As part of the program of General Studies, busi-ess students are asked to take certain foundation subjects of great signif-ance to their later work in the business program. Particularly relevant e the courses in economics and sociology, in psychology and anthro-ology, in college algebra and statistics, and in oral and written com-unication. Concurrent with their lower division (freshman and sopho-ore) General Studies work, business students will also take carefully lected basic courses in business offered by the division.

Core Curriculum. The mission of the core curriculum in busine is threefold. First, it aims at providing students with a comprehensi understanding of industrial dynamics, structure of industry, busine organization, and managerial technique. Second, it seeks specifically develop the student's managerial capabilities in the three critical areas analysis, communication, and human relations. Third, it aims at re-e forcing both the motivation and the capacity for life-long professior growth and development.

The Business Division works toward these objectives through the follo ing alternative plans:

Plan "A"—The majority of students enroll under Plan "A". The cc courses are offered each quarter in a manner to accommodate the needs students whose personal preference and/or work and study progra require flexible time sequences as in standard scheduling. Studer should obtain program advice from the Business Division adviser proper course sequencing.

Plan "B"—This plan is a laboratory approach to education. Sm group processes are utilized under faculty supervision. Each quart four core courses are scheduled in one block of time, either morning afternoon. Four laboratory hours are included in the twenty hours ea week during which students work in small groups to acquire knowledge the four core courses under the guidance of the faculty. Distincti features include integration of subject matter and individual develc mental evaluation. Further details of this program can be provided the Business Division adviser.

Specialization and Electives. The student's choice of a specializ tion and his use of electives will reflect his preference as to a point entry into business. We say *point of entry* rather than *career* because w over half of our students are expected to shift fields of specializati within a few years after graduation. That is to say, students whose poi of entry is field x may soon find themselves working in field y. Neverth less, if a student aspires to a specialization such as professional accou ing, he will be advised to devote both his specialization and his electi course work to subjects relevant to that objective.

Similarly, a student interested in management systems may take t four-course sequence in that area and may, if he chooses, use his electi courses to bolster his strength either in business subjects or in a relat field, such as mathematics or the computer sciences. Alternatively, el tives may be used to expand cultural or other nonprofessional interes Students choosing other areas of specialization such as finance, marketi or personnel and industrial relations may use their electives in like fa ion.

Still another use of the time allocated to "specialization" and "el tives" is afforded by the general business administration option. A stud choosing this avenue may substitute (for a specialization in business) or more hours in an approved sequence in a non-business area, such economics or sociology or mathematics. Thus a student who desires acquire depth and breadth in some specific non-business area of stu may do so by applying his choices in "General Studies," in "Specializ tion," and in "Electives" to that end. One purpose of this option is to low a student who anticipates graduate study in business to receive

liberal" undergraduate education and yet to qualify for a Master of usiness Administration degree (MBA) in one additional year of study nstead of the two-year program often required of non-business baccalau-eates. A second objective is to provide additional discretion to students ho, while desiring to prepare for careers in business, are uncertain as an exact point of entry. A third group who may choose this option are re-law students who anticipate engaging in business-related law prac-ce. Finally, there is an increasing demand in business for graduates who ave combined a sound program in business with depth in some related rea such as those cited.

In summary. The program in business is designed to facilitate oth entry into business and long-term professional growth. During his usiness career we expect a former student to find that, because of chang-ng business practices and growing responsibilities, less and less of his ourse work in specific business subjects is directly relevant to his needs. s this occurs, he will draw more and more upon the generalized por-on of his program at Southern Illinois University, supplemented and xtended by his work experience, by his continuing program of self-in-truction, and by post-graduate professional-development programs of the ypes previously indicated.

ACCOUNTING

he operation of a business and its financial condition are of interest to s owners, to its employees, to its creditors, to various governmental odies, and to the public. Accounting is the means by which the transac-ons of a business are analyzed, recorded, presented, and interpreted to nd/or for the various interested groups. In many instances such data is ttested by a particular type of professional accountant, the licensed certi-ed public accountant (C.P.A.).

The skills of the accountant are not easily acquired; serious and thor-ugh study is necessary. The breadth and depth of this study depend omewhat upon the post-graduate objectives of an individual student. ifferences in student objectives are recognized by two specializations accounting, either of which will satisfy degree requirements for gradua-on.

The professional accounting program is recommended for students who ish to meet the educational requirements for taking the C.P.A. examina-on in Missouri, Illinois, and other states; for governmental career posi-ons in accounting; and the expectations of many public accounting and rivate business firms. Those who aspire to become a C.P.A. (Certified ublic Accountant) should familiarize themselves with the laws and reg-lations covering the certification of public accountants in the state of eir choice. The regulations for the State of Illinois are published by the ommittee of Accountancy, University of Illinois, Urbana, Illinois.

The general accounting program is recommended for those students ho intend to continue the study of accounting in graduate school, or for ose students who desire a more thorough coverage of some other area r areas as an undergraduate.

FINANCE

arious career opportunities are available to students who choose to ecialize in finance. In broad terms they are corporate finance, invest-

ments, commercial banking, and insurance. Within each of these area there are many sub-categories of professional expertise. Depending upo the student's preference within finance, additional work in related area such as accounting, economics, or management systems is recommende

An objective of the courses offered in the area of finance is to provic the student with a comprehensive introduction (a) to the functions corporate financial officers, (b) to the fields of investment policy and i vestment analysis, (c) to the special characteristics of the major types financial intermediaries. In addition, they provide knowledge of certa principles of financial analysis and decision making and practice in t application of these principles to specific cases, thereby developing an lytical ability and fuller comprehension of the nature of financial pro lems as encountered in business and industry.

GENERAL BUSINESS ADMINISTRATION

The general business administration courses help the student to unde stand the foundations of our market-oriented economy and the role business enterprise therein; and provide a firm foundation in the area theory, the external environment of a business or an industry (the s entific and technological, economic and market, legal and political, goa setting, and attitudinal environments within which business institut operate), and the decision-making processes involved in the choice particular business policies and practices. The overall goal is to enhan understanding the internal and external factors affecting the operation business firms and skill in the management of essential entrepreneuri resources—human, financial, physical, and technical.

This area of specialization provides the student with an opportuni to obtain further depth of study in related subjects offered by the oth divisions. Among the topical areas to which this option is applicable a applied science, economics, foreign languages, government, mathemati psychology, and sociology. Other areas may be approved upon applicati to the chairman.

In each instance, the student will pursue a sequence of courses amour ing to at least 16 quarter hours in the area of his choice. The particul sequence must be approved in advance by the chairman or other a propriate officer of the faculty.

MARKETING

Marketing, which includes all activities concerned with determining a satisfying desires and needs of individual and institutional consume is a major function in all forms of business enterprise. Marketing kno edge and concepts provide the tools for developing and distributing goo and services in today's dynamic economy and tomorrow's as well. Cours are offered in the areas of consumer behavior, advertising, marketi management, distribution, sales administration, and market research.

MANAGEMENT SYSTEMS—QUANTITATIVE METHODS—PRODUCTION

All three are concerned with (a) the design of information and decisic making systems for business, governmental, and other institutional quirements, (b) the application of appropriate techniques of quantitati analysis to administrative problems, (c) the utilization of EDP (el tronic data processing or computer) capability in management inform tion and decision-making systems. This includes the study of techniq

often described under the heading of operations research. Three distinct areas of study are recognized within this broad field: management operating systems, quantitative methods, and production and operations management. This specialization is designated management systems.

Management Systems. The systems concept of organization within business and government is receiving many benefits from computer applications. Many new career opportunities are arising as a result of the rapid growth of computer usage. Students with an understanding of systems, computers, and quantitative techniques will be equipped to identify and solve certain types of problems in the management of business or government.

Quantitative Methods. The courses introduce students to modern mathematical and statistical concepts and methods as applied to business activity. A major objective is to develop skill in the formulation of logical models useful in making business decisions under conditions of both certainty and uncertainty. An additional goal is to develop means of measuring and evaluating the performance of business and other goal-seeking institutions in whole and in part. Linear and dynamic programming, inventory models, simulation, and statistical decision theory are some of the specific methods of analysis studied.

Production. The objective is to assist the student who is interested in a career in production or operations management to find a proper point of entry into his chosen field, and to perform competently thereafter. Because of the rapidly changing technological base of the production and operations functions, emphasis is upon tools and concepts of a fairly general character and lasting relevance.

PRODUCTION

The production function is responsible for creating the goods and services which are inputs to the marketing function of a firm. Viewed in this manner, a distinct production function is to be found in a variety of business activities. In a major airline, for example, the production function often includes aircraft scheduling, operation, and maintenance and is headed by a vice-president for operations. The head of an analogous function in a banking firm may be titled cashier or comptroller. In manufacturing firms the title of the senior production officer ranges from vice-president for manufacturing to plant manager. In each industry there are conventional lines of advancement running from points of entry into a firm to these positions. Whatever the type of business, the fundamental responsibility of the production function is the same: to insure that the desired goods or services are produced or made available on time, at budgeted cost, in the proper quantities, and within the desired span of quality characteristics.

PERSONNEL AND INDUSTRIAL RELATIONS

Personnel administration as a distinct professional field and organizational entity is now well accepted in business, as is industrial relations. In nearly every firm of substantial size are found staff specialists in these areas. There are attractive employment opportunities for both young men and young women in these fields.

The specialization of personnel management and industrial relatio is concerned with the responsibilities and activities of both the direct of the personnel function and the director of the industrial relations fun tion within commercial, industrial, and governmental institutions. St dents are introduced to the specialized routines and procedures of the fields as well as to the many legislative enactments which affect a ma agement's relations with its employees and with organized labor.

The specialization provides opportunities to relate prior work in ps chology, sociology, management operating systems, organization behavic decision making, organization problems, and other areas to administrati problems in the field of personnel management and industrial relatio

Business Education

The Faculty of Business Education offers two programs which lead the Bachelor of Science degree. A program in business teacher educati is offered through the Education Division, and a program in administrati services is offered through the Business Division.

Business Teacher Education

The business teacher education program is designed to prepare teache of business subjects for secondary schools, junior colleges, vocationa technical schools, and similar institutions. Each student in the progra completes a core of business administration and education courses a specializes in one area of business administration.

Bachelor of Science Degree, EDUCATION DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3) .....
Business Teacher Education Core .....
- Accounting 230, 231 8
- Administrative Services 300 4
- Business Communications 390 4
- Business Education 350, 351, 405 12
- Counselor Education 305 4
- Economics 200, 201 8
- Educational Administration 355 4
- General Business Administration 140, 340, 342 12
- Marketing 371 4
- Secondary Education 315, 352b 20

Subject Matter Specialization: concentration of studies in one of the following six areas .....

ACCOUNTING
- Accounting 351a,b 8
- Administrative Services 428 4
- Business Education 408 4
- Electives in accounting, administrative services, and finance ... 8

DATA PROCESSING
- Administrative Services 301, 426, 428 12
- Business Education 408 4
- Electives in accounting, administrative services, management science, and quantitative methods 8

ECONOMICS
- General Business Administration 440 4

Economics 300, 310, 441	12
Electives in economics and finance	8
MARKETING AND DISTRIBUTIVE EDUCATION	
Business Education 414a,b	6
Marketing 370, 472	8
Electives in marketing	10
OFFICE SERVICES	
Administrative Services 426, 427	8
Business Education 304, 403, 406	11
Electives in administrative services and business education	5
SECRETARIAL ADMINISTRATION	
Administrative Services 426	4
Business Education 304, 324a, 403, 404, 406	19
Electives in administrative services and business education	1
lectives	4
otal	192

In lieu of electives in his area of specialization above, a student may ish to secure additional certification in one or more of the following aching areas by substituting the courses shown for the electives in his ecialization: shorthand—Business Education 324a, 404; typewriting—usiness Education 201c, 403; business law—General Business Admintration 440; accounting—Business Education 408; office practice—Busiss Education 201c, 406; business arithmetic—Accounting 330, 341, or uantitative Methods 210; salesmanship—Marketing 472; cooperative lucation—Business Education 414a,b.

Administrative Services

dministrative Services includes office services, data processing, informaonal analysis, systems procedures analysis, and personnel management. he program in Administrative Services is divided into two areas of ecialization, data processing and personnel management—each of which ads to the Bachelor of Science degree.

Bachelor of Science Degree, BUSINESS DIVISION

eneral Studies Requirements (See Chapter 3. Waive GSB–3.)	84
re Requirements	68
Accounting 230, 231	8
Administrative Services 300, 426, 427	12
Business Communications 390	4
Economics 200, 201, 310	12
Finance 320	4
General Business Administration 140, 340, 341, 440, 441	20
Marketing 371	4
Psychology 320	4
ea of Specialization	24
DATA PROCESSING	
Accounting 331 or 341 and 351a,b	12
Administrative Services 301, 428	8
Management Science 311	4
PERSONNEL MANAGEMENT	
Personnel 450, 451, 452	12
Psychology 473, 474, 479	12

Electives	1
Total	19

Chemistry

A primary concentration in chemistry must include 125–10, 135–5, an at least 33 hours in chemistry courses beyond 135. The supporting course (in lieu of a secondary concentration) must be approved by the Faculty of Chemistry undergraduate adviser and must be included in the student' file. These are primarily mathematics (beyond 150) and physics courses such as Physics 300, Mathematics 225, 305, and 350.

The typical student concentrating in chemistry should choose the three quarter organic and physical chemistry sequences (341–9, 345–6, 461–9 465–3) and several electives at the 400–level. The student desiring th level of training specified by the American Chemical Society as necessary for a professional chemist should take 461 in his junior year and ad 411, 432, one year of German, and three advanced courses (one may b in mathematics or physics).

Pre-medical students who enter a medical school after the junior yea may obtain approval to apply appropriate medical school courses to com plete the requirements for a concentration in chemistry.

Four-year program outlines, lists of suggested supporting courses, an additional advice may be obtained through the office of the Faculty c Chemistry. Incoming students who are considering a concentration i chemistry are urged to contact this office before registering for an courses.

Bachelor of Arts Degree, SCIENCE AND TECHNOLOGY DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.)	8
Requirements for Concentration in Chemistry	5
Chemistry 125–10, 135–5	(3) + 12
Chemistry 305–6 or 341–9, 345–4 or 6, 311–3 or 411–4, 460–5 or 461–9 and 465–3, elective–3	21–34
Chemistry electives	13–0
Mathematics 150–8	8
Approved Supporting Courses	2
Mathematics 250–4	4
Physics–12	(5) + 7
Electives	3
Total	19

Bachelor of Science Degree, EDUCATION DIVISION

Those students who elect one secondary concentration must meet th requirements listed above. A 36–hour concentration for students wh elect two secondary concentrations must include, as a minimum, Chemist 125–10, 135–5, 305–6, 345–4, and 460–5.

Secondary Concentration

A secondary concentration in chemistry must include 125–10, 135–5, an at least 12 hours in chemistry courses beyond 135. (Chemistry 240 is n accepted.)

Comparative Literature

Secondary Concentration

he secondary concentration in comparative literature is 37 hours, pre-cribed as follows: 300–12; 310a,b,c; second year of foreign language on ie college level; and 4 hours of electives from 310c,d, Philosophy 360 or dvanced foreign language study.

Dentistry (Preprofessional)

predental program leading to the Bachelor of Science degree in biology pon completion of the first year of study at an approved dental school offered. Students in this program are qualified to apply to the dental hool currently being developed at Southern Illinois University, Ed-ardsville, as well as to other dental schools. If a student follows the pro-ram and does not choose to leave after three years, he can complete a pical biology concentration during his senior year.

reshman Courses	50
GSA 201–8	8
GSC (5 hours 100-level)	5
GSD 101–6, 103–3, 114a,c–9	18
GSE 201–3, 1 hour activity course 100-level	4
Chemistry 101–5, 125–10	15
ophomore Courses	50
GSB 101b or 103a–4, 101c or 103b–4	8
GSC 151–3, 3 hours on 300-level	6
GSE (1 hour activity course 100-level)	1
Biology 302a,d–10	10
Chemistry 305–6, 345a,b–4	10
Physics 206–15	15
unior Courses	48
GSB 201a or 203a–4, or 201c or 203b–4, 6 hours 300-level	14
GSC 252–4, 253–4, 3 hours 300-level	11
GSE (1 hour activity course 100-level)	1
Biology 301a,b–8, 303a–4, 458–5	17
Chemistry 135–5	5
ransfer from Approved Dental School	45
otal	193

Economics

urses in economics help students to understand the principles concern-g the production and distribution of goods and services. Important and ten controversial issues, such as national income, unemployment, in-tion, labor unions, monopoly, tariffs, and government spending are udied and analyzed.

The study of economics prepares an individual for a position in ivate industry, government service, or teaching. Business and govern-ental agencies employ economists in management training programs, search, and administrative positions. Economics also provides necessary ckground understanding and evaluation of state and national policy

in many fields, among them being taxation, fiscal and monetary polic anti-trust activities, and welfare legislation. Students choosing economic as a field of concentration pursue a core program followed by more spe cialized study in such fields as money and banking, industrial relation finance, international trade. The sequence of courses, including those i related areas such as business, psychology, mathematics, and gover ment is planned in cooperation with an adviser from the economics fa ulty.

Four distinct programs permit concentration or specialization in ec nomics. The Business Division offers the Bachelor of Science degree wit a concentration in business administration and a specialization in ec nomics and a Bachelor of Science degree with a concentration in econon ics. The Social Sciences Division offers a Bachelor of Arts degree with concentration in economics. The Education Division offers a Bachelor Science degree with a concentration in economics.

Bachelor of Science Degree, BUSINESS DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3.)	
Requirements for Concentration in Economics	
GSB 311–3	(3)
GSD 114a–5, 114d–4	(9)
Accounting 230, 231, 330	12
Economics 200, 201, any 300-level economics course	12
Economics 440, 441	8
Economics electives	16
Quantitative Methods [1] 210, 211, 310	12
Courses in finance, marketing, or management systems	8
Secondary Concentration	
Students are asked to choose a secondary concentration in an area related to their professional or career objectives. Areas which have prior approval are government, mathematics, and sociology. Other areas may be approved at the discretion of the faculty chairman.	
Electives	
Total	1

Bachelor of Arts Degree, BUSINESS DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3.)	
Requirements for Concentration in Economics	
GSB 311–3	3
GSD 114a–5, 114d–4, FL	(9) + 9
Economics 200, 201, economics elective	12
Economics 340, 441, and electives	30
Secondary Concentration	
Students are asked to choose a secondary concentration in an area related to their professional or career objectives. Areas which have prior approval are government, mathematics, and sociology. Other areas may be approved at the discretion of the faculty chairman.	
Electives	
Total	1

[1] Requirement in quantitative methods may be met by Mathematics 150–8, 252–8, 480–10, 483–4; in this case, these courses in mathematics will constitute a secondary concentration.

Bachelor of Science Degree, EDUCATION DIVISION

r this degree the following courses constitute a 48-hour concentration economics: GSB 103b, 311 GSD 114d, Economics 200, 201, 300, 340, 1, plus 17 hours of electives in economics to meet the minimum of 48 urs. The electives will be chosen in consultation with an economics fac-ty adviser.

The following courses constitute a 36-hour concentration in economics: SB 103b, 311, GSD 114d, Economics 200, 201, 300, 440, 441, plus 5 urs of electives in economics to meet the minimum of 36 hours.

Secondary Concentration

ndidates for the Bachelor of Science degree, Education Division, may oose a secondary concentration in economics. Requirements are GSB 3b, 311, GSD 114d, Economics 200, 201, 300, 440, 441, for a total of hours.

Elementary Education

mpletion of the concentration in both general elementary education d early childhood education fulfills the University and the Education vision requirements for the Bachelor of Science degree and qualifies e student for the Illinois Standard Elementary School Certificate. For Missouri certification in elementary education, students will need t include GSB 203–8, 300–9, Elementary Education 413–4, and Psy-ology 301–4.

Bachelor of Science Degree, EDUCATION DIVISION

neral Studies Requirements (See Chapter 3. Waive GSC–3.)		84
ofessional Requirements for Concentration in Elementary Education		44
The following are taken in the order presented:		
Counselor Education	4	
Educational Administration 355	4	
Elementary Education 314–4, 337–4, 351–16, 415–4	28	
Instructional Materials 417	4	
Professional elective: recommended—Counselor Education 422–4, Educational Administration 431, 441, Elementary Education 203–3, 365–4, 413–4, 437–4, 442–4, Psychology 301–4	4	
nprofessional Requirements		40
GSA–3	3	
GSB–8	8	
GSC–3	3	
Art, music, and/or theater	7	
English 391–3	3	
Physical Education 350–4	4	
Area of interest[1]	12	
ctives		24
tal		192

[1] A student shall select an area in which he obtains at least 12 hours in addition to the above requirements. These areas are fine arts; health, recreation, and physical education; instructional materials; language arts; mathematics; science; social science.

Education Division Programs

In order to pursue a program offered by the Education Division, a stude will need to fulfill both the general requirement of the University a those of the Education Division. Formal request for admission to one the Division's programs is filed in the Education Division Office of St dent Teaching where an education adviser assists in planning a student program. It is necessary to hold an approved program in order to regist for Education Division courses leading to a degree or teacher certificatio

All students are encouraged to secure general information concerni the teaching profession before completing 64 hours of studies. Most st dents will find it useful to know about the levels and fields where the are teaching opportunities, aptitudes recommended for teachers, the ge eral characteristics of teaching careers, and the teacher certification r quirements of the State of Illinois. Substandard credentials and pro sional certification can be avoided with the proper information in han The education advisers also provide the student with the requiremer of public schools accredited by the North Central Association and c explain the importance of graduating from undergraduate programs students approved by the National Council for Accreditation of Teach Education.

Admission Procedure

1. Upon completion of 64 quarter hours of the General Studies Progra a student fills out a Declaration of Concentration form obtained from a submitted to the General Studies Office. This slip insures the trans of the students official records to the Education Division.

2. As soon after 64 quarter hours as is convenient and no later th 90 hours, formal application for admission to the Education Division made on appropriate forms filed with the Education Division Office Student Teaching.

3. The student is assigned an education adviser who interviews t student and evaluates the student's transcript. Unconditional admissi to teacher education programs is granted to students having 64 to 1 quarter hours of course work completed with a 3.0 grade-point avera Students with 102 to 143 quarter hours of course work need 3.10 cumu tive grade-point average. Students concentrating in either psychology teacher education who satisfy the entrance requirements are given approved program of studies authorized by the adviser in consultat with the student. After completing this step, the teacher education stud is eligible to receive a Permit to Register card for the first course in Education Division required sequence of courses common to all teac education programs.

Professional Education Programs

The faculty of the Education Division offers programs of study lead to the Bachelor of Science degree. The major areas for which there distinctive programs are art education, business education, early childh education, general elementary education, physical education, second education (with teaching fields listed on page 75), and special educat These concentrations are designed to prepare students for positions the public schools at a variety of levels and in numerous teaching fie Since one of the conditions for obtaining a permanent position in

ıblic school is the holding of a state certificate, the programs have been anned so that students will obtain certification upon their completion. Assistance in making a choice among these programs can be obtained om an adviser in the Education Division Office of Student Teaching. vailability of positions, the general nature of professional responsibilities various fields, differences between teaching levels, and similar matters ed to be considered in making a career decision.

All Bachelor of Science degree programs show GSB 203a or GSB 300a, ereby fulfilling the state of Illinois' requirement for a course in either nerican history or government. While there is no foreign language quirement for the degree, some competence in a second language is ghly desirable.

It is increasingly clear that there is a growing demand across the coun- y for teachers who have completed master's degree level studies. The fac- y of the Education Division urges students to view the Bachelor of ience degree as the first phase of their formal studies and to plan to rsue graduate work.

Accreditation

e programs of the Education Division have been fully accredited by te North Central Association of Colleges and Secondary Schools. In dition, the professional education programs have been accredited by te National Council for Accreditation of Teacher Education and approved f certification purposes by the State of Illinois Office of the Super- endent of Public Instruction.

Research and Instructional Facilities

e Education Division maintains the following facilities which offer rearch and instructional resources to both the campus and the Univer- y's service area.

nstructional Resources Development Center. The Center has facilities d professional staff which contribute to the development of instructional terials. Students in education and media specialists utilize the Center. ovative instructional systems are encouraged, and facilities of the nter are available for the systematic evaluation of these innovations.

Practicum Facilities. The school maintains facilities that are devoted to th practical experience of the student. Video-tape equipment located in as with one-way viewing rooms allows students to practice skills in a ural setting. These experiences are then available for re-evaluation by th student and the instructor. Facilities with sophisticated instrumenta- tn are available for individual testing, small group work, and larger gherings.

Psychology Laboratories. Two psychology laboratories with modern up- tlate equipment provide a setting for the development of experimental pgrams. These laboratories, along with calculator facilities for training a research, and the University computer facilities provide on-campus erience in the instructional and research program. Students are en- craged to become familiar with and use these facilities, which make a dect contribution to all of the programs in the Education Division.

he Reading Center. The Reading Center is a well-equipped laboratory of diagnostic and instructional materials and equipment that is used in dgnosing and correcting reading deficiencies. Students enrolled in the sequence of reading courses get practical experience in the Center working

with disabled readers who are transported to campus from the surroundin elementary and secondary schools. The Reading Center also serves th public and parochial schools of the area by providing a facility wher current materials can be studied and evaluated.

Teaching Techniques Laboratory. The Education Division recentl instituted a Teaching Techniques Laboratory. The purpose of th laboratory is to provide students opportunities to practice specific teach ing skills prior to student teaching. At the present stage, the laborator consists of video recording studios in which students present short lesson to small groups of pupils. Tapes of the lessons are analyzed and critique by the students and their university instructors. Laboratory assignment comprise part of the requirements in professional education courses. I addition to the training function, the laboratory enables faculty and st dents to study the teaching process under controlled conditions.

Student Teaching Office

The Student Teaching Office of the Education Division was created an staffed to provide Education Division students with academic assistanc not otherwise available through courses. Students are invited to bring the office whatever matter they wish. The staff either directly assists th student or makes an appropriate referral. While it is generally know that the office assigns each student an adviser who assists in the develo ment of an authorized program and issues Permit Cards for the require professional courses, it is not always realized that the staff can aid st dents in a variety of ways.

If a question about certification requirements arises, whether for Illino or another state, students can obtain an answer from the office. The offi also makes arrangements for students who wish to make visits in t schools whether in connection with course work or not. Career counselin in the field of professional education can be obtained from the educati staff. The staff also assists students in the formation of professional oriented clubs or interest groups and serves as headquarters for t Education Division student organizations.

Engineering

Engineering is the professional art of applying mathematics and scien to the optimum utilization of natural resources for the benefit of man. is a creative activity in that it produces that which has never previous existed; it is a scientific activity in its approach and the knowledge nec sary to manipulate nature for man's purposes.

The following curricula are designed to develop engineers capable breaking new paths as well as improving old ones, to develop flexibili to emphasize synthesis as well as analysis.

Bachelor of Science Degree, SCIENCE AND TECHNOLOGY DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.) ....
Requirements for Concentration in Engineering 1
Engineering Core Requirements 50
Chemistry 111b–5 ..... (3) + 2
Engineering 200–6[1], 201–2[1], 260–8, 300–3 19

[1] Candidates for Urban and Environmental Option substitute Engineering 220–3, 221–1, 32 and 321–1 for 200–6 and 201–2.

Mathematics 150–8, 225–4, 250–4, 305–4, 350a–4, 405–4	(9) + 19	
Physics 211–12, 212–3	(5) + 10	
One of the Options below		60
ELECTRONIC ENGINEERING		
Engineering 200–3, 201–1, 310–6, 311–3, 312–1, 405–5, 410–8, 411–2, 443–6	35	
Mathematics 350b–4	4	
Physics 300–5, 305–8	13	
Electronic Engineering Electives	8	
ENGINEERING SCIENCE		
Engineering 311–6, 312–2, 405–5, 410–4, 411–1, 420–6, 443–6, 472–3	33	
Mathematics 350b–4, 483–6	10	
Physics 300–5, 305–8	13	
Elective	4	
INDUSTRIAL SYSTEMS ENGINEERING		
Engineering 443–6	6	
Mathematics 321–4, 350b–4, 455–9, 472–9, 480–9	35	
Physics 300–5	5	
Electives	14	
URBAN AND ENVIRONMENTAL ENGINEERING		
Chemistry 111c–5	5	
Engineering 101–6, 230–3, 311–6, 312–2, 314–6, 420–3, 421–1	27	
Electives from one of the following groupings: [1]	20–21	
Environmental: Engineering 380–12, 480–8		
Structures: Engineering 340–8, 440–8, 442–4		
Highway and Traffic: Engineering 315–3, 363–9, 475–3, 476–3, 477–3		
Additional Electives	8– 7	
Total		194

Secondary Concentration

A secondary concentration in engineering should include 200a,b–6, 201a, b–2, 260–8, 311a–3, 312a–1, plus 7 technical elective hours approved by the Faculty of Engineering.

English

Bachelor of Arts Degree, HUMANITIES DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.)		84
Requirements for Concentration in English		53
GSD FL	(9)	
English 300, 302–12, 309–8, 365, 499–2	30	
English electives above 299 (485, 486, 487 do not count.)	14	
Foreign language courses to complete two years college level work in a language	9	
Secondary Concentration		24–27

[1] Choice of electives shall be made after consultation with faculty adviser.

Electives 31–
Total 1

Bachelor of Science Degree, EDUCATION DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.)[1] ..
Requirements for Concentration in English 71–
GSD FL[2] ..... (9)
Two of the following: GSC 315–3, 333–3, 335–3, 336–3, 339–3 6
English 300–4, 302–12, 309–8, 403–4, 471a or b–4, 485–4, 490–4 40
Two of the following: English 400–4, 405–4, Speech 202–3, 224–4, Journalism 391–3 6–8
Representative choices in both period and genre 400–level courses in literature 16
English 486–4 or 587–4 4
Professional Education Courses .....
Counselor Education 305–4, Educational Administration 355–4, Secondary Education 315–4, 352d–12 24
Two courses from the following: Psychology 303–4, Secondary Education 440–4, Counselor Education 422–4, Instructional Materials 417–4, Special Education 414–4 ... 8
Elective 5
Total 1

Foreign Languages

Bachelor of Arts Degree, HUMANITIES DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.) ..
Requirements for Concentration in Foreign Languages .....
A minimum of 42 hours beyond the 100-level courses, including the seminar in the field of concentration (French, Spanish, or German) 42
English and history (one course in each area above 299 related to the concentration) 6
Secondary Concentration 24–
Electives 36–
Total .....

Bachelor of Science Degree, EDUCATION DIVISION

For this degree, the requirements for concentration in Foreign Langua s are 38 hours (exclusive of General Studies courses and elementary e - cation concentration courses) in a language, plus one English and e history course numbered above 299.

Secondary Concentration

A secondary concentration consists of 24 hours (exclusive of Gene l Studies) in a language.

[1] If GSD 103 can be waived, student should take Speech 202–3 or 224–4.
[2] One college year (or equivalent) of a foreign language is required; two years are preferred

Geography

the field of geography, the student may work toward either a Bachelor Science degree or a Bachelor of Arts degree depending upon his objec-ve:

1. Bachelor of Science—for preparation to teach geography and earth ience in the elementary or secondary schools, or (with further prepara-n) in the junior college; or as a part of preparation to teach either cial science or physical science in the elementary or secondary school stems.

2. Bachelor of Arts—for a thorough knowledge of geography, in prep-ation for civil service appointment as a geographer, or for demands of ivate organizations requiring the services of geographers, meteorologists, rtographers, or planners.

A broad background in other fields is of great importance to a geogra-er. Thus, it is recommended that geography students hold their hours geography to the minimum number required and use their elective urs to take work in other areas. Students interested in physical geog-phy should consider work in geology, botany, zoology, plant industries, estry, and physics. Students interested in economic geography can fit from work in economics, agricultural industries, marketing, and nsportation. Students specializing in cultural geography will find urses in sociology, anthropology, community development, history, and vernment particularly useful. Students interested in the geography of particular area of the world are encouraged to take courses on the area other disciplines.

Quantitative methods have become an essential tool used by geogra-ers. Thus, those with a concentration in geography are strongly urged take work in statistics. GSD 114d provides an introduction, while stu-nts interested in more complete preparation may take Mathematics 0a,b, and c.

Students working for a secondary concentration in geography or taking social studies field concentration in education must take Geography 4, 306, and 308. (GSA 312 is recommended as an elective.)

Bachelor of Arts Degree, SOCIAL SCIENCES DIVISION

neral Studies Requirements (See Chapter 3. Waive GSB–3.)	84
quirements for Concentration in Geography	30
SD FL or GSD Mathematics ..... (9)	
SA 110a,b, 330, GSB 203b ..... (15)	
ne of the following specializations:	30
ultural geography, economic geography, earth science: 304, 306, 308, 310, and electives.	
lanning: 304, 306, 308, 310a, 404a, 470a,b, 471a, and electives	
artography: 304, 306, 308, 310, 416a,b, 417, and electives.	
arth Science: GSA 322, 331, 356, Geography 310a, 343, 400b, and electives.	
ondary Concentration	27
econdary concentration must be mathematics if the specialization cartography.	
ctives	51
al	192

The Bachelor of Arts degree cartography specialty may be earned b a work-study plan which permits students to work part time at the S Louis Aeronautical Chart and Information Center. The General Studi Advisement Office or the geography staff has complete information on th plan. GSA 110a,b, 330, and GSB 203b are required in the above; one adc tional General Studies course in geography may be counted.

Bachelor of Science Degree, EDUCATION DIVISION

In addition to the General Studies requirements and the Education Di sion requirements, a geography specialization must include the followi courses: GSA 110a,b, 330, GSB 203b, Geography 304, 306, 308, 310a, a additional courses to complete 45 or 36 hours in geography (depending whether the student has one or two secondary concentrations).

Secondary Concentration

A secondary concentration in geography consists of 27 hours and m include 304, 306, and 308. Fifteen hours may be counted from the follo ing: GSA 110a,b, 330, 331, GSB 203b, and 354. (GSA 312 is recommend as an elective.)

Government

A concentration in government is recommended for persons planning teach civics or government courses, and for those planning to qualify the study of law or for the public service.

Bachelor of Arts Degree, SOCIAL SCIENCES DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3.) ....
Requirements for Concentration in Government .....
GSD FL ..... (9)
A minimum of 45 hours, including 200 and GSB 203a, and at least 3 hours in four of the six areas of specialization:
American government and politics: 340 or 345 or equivalent.
Comparative politics: 350 or 355 or equivalent.
International relations: 370 or equivalent.
Political theory: 385 or equivalent.
Public administration: 320 or equivalent.
Public law: 340c or equivalent.
Secondary Concentration .....
Electives .....
Total .....

Bachelor of Science Degree, EDUCATION DIVISION

For this degree, the requirements for concentration in government t 45 or 36 hours in government, including 200 and GSB 203a, depend on whether the student has one secondary concentration or two. At l 3 hours (but no more than 20 hours) should be taken in four of the areas of specialization listed above.

Secondary Concentration

A secondary concentration is 27 hours and must include 200 and G 203a and at least one course in three of the six areas of specializat

Health Education

Secondary Concentration

secondary concentration in health education is available for those who ish to receive teacher certification on either the elementary or secondary hool level. It consists of 30 hours and includes GSE 201–3; Health Edcation 205–4, 300–3, 334s–4, 350–4 or 460–4, 355–4, 471–4; and one of e following 4-hour courses—Health Education 313s or Psychology 301, 03, or 432.

History

tudents who intend to study for either the Bachelor of Arts or the achelor of Science degree with a concentration in history should arrange r an interview with the undergraduate adviser in history at the time of eclaration of concentration. The Bachelor of Arts degree permits the udent a greater degree of flexibility in the four-year college program, d is recommended for students who plan to do graduate work.

Bachelor of Arts Degree, SOCIAL SCIENCES DIVISION

eneral Studies Requirements (See Chapter 3. Waive GSB–3.)	84
equirements for Concentration in History	37
GSB 101–8, 300–9 ..... (17)	
History 100–3, 102–4, 452–3 10	
History electives at the junior-senior level (Anthropology 304 may be counted) 18	
Two years of college level foreign language, or its equivalent (first year in GSD or second year intermediate) 9	
econdary Concentration	27
lectives	44
otal	192

Bachelor of Science Degree, EDUCATION DIVISION

r this degree, the requirements in history are 48 hours or 36 hours pending on whether the student has one secondary concentration or o. Requirements for the concentrations are GSB 101–8, GSB 300–9, d History 100 or 102; in addition, students in the 48-hour concentran are required to take History 452. The remainder of the courses for e two concentrations are electives taken at the junior-senior level.

Secondary Concentration

wenty-seven hours are required for a secondary concentration in history d must include GSB 101–8, GSB 300–9, and either History 100 or 102. nthropology 304 may be counted in any history concentration.

Instructional Materials

urses are offered in instructional materials in the utilization and adnistration of teaching materials. Programs may be designed to prepare her audio-visual coordinators or school librarians.

The Education Division offers a secondary concentration of 28 hours

for secondary level specializations. This program provides minimu qualification for either a media specialist or a school librarian.

The required courses for librarians are Instructional Materials 308– 403–4, 406–4, and 407–4. The required courses for audio-visual peop are Instructional Materials 417–4 and 445–5. Additional courses to fulf the requirement of 28 hours are planned in conference with the instru tional materials adviser.

Mass Communications

Mass communications involves the study of television-radio, journalis and film. At present, a concentration in mass communications involv options in television-radio and journalism. A comprehensive examinati in the winter quarter of the senior year is required of each stude

Broadcasting

Bachelor of Arts Degree, FINE ARTS DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.)	
Requirements for Concentration in Mass Communications	
Speech 224–4	4
Television-Radio 100–4, 200–4, 201–4, 202–4, 252–4, 300–5, 301–5, 400–4, 401–4, 402–4 or 403–4, 408–4	46
Television-Radio Electives (three of the following 4-hour courses: 302, 303, 390, 401, 404, 405, 406, 407, 466, 467)	12
Fine Arts Division Electives (courses from each of the following areas: art, music, speech)	12
Secondary Concentration	
Electives	
Total	1

Students seeking a Bachelor of Arts degree with an option in broa casting must take the program outlined above. This degree requi a foreign language and is intended for those students who expect to en the writing, production, or talent areas of broadcasting, or who expect continue on to graduate study in broadcasting.

Bachelor of Science Degree, FINE ARTS DIVISION

The Bachelor of Science degree with an option in broadcasting d not require a foreign language and is intended for those students who w to enter the production, technical, or commercial aspects of broadcasti and who expect to enter the industry upon graduation.

Secondary Concentration

A secondary concentration in broadcasting is possible by taking following courses: Television-Radio 100, 200, 201, 252, 300, 401 fo total of 25 hours.

Journalism

Bachelor of Arts Degree, FINE ARTS DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.)	4
Requirements for Concentration in Mass Communications	4

Journalism 103–3, 201a,b–6, 210a–3, 245 or 345–3 or 4, 303–3, 340–3, 410–4, 415–5	29–30
Television-Radio 100 or Journalism 101	3–4
Journalism, selected television-radio, and electives from other divisions on campus as approved by the Faculty of Mass Communications	32–30
econdary Concentration Outside Mass Communications	27
eneral Electives	17
otal	192

This degree requires study in a foreign language, as specified in the eneral Studies Program. (See Chapter 3, page 16.)

Secondary Concentration

secondary concentration in journalism consists of Journalism 103–3,)1a,b–6, 210a–3, 320–4, 340–3, 402–2, 415–4, and Television-Radio 100 · Journalism 101 for a minimum of 28 hours; or alternate courses as pproved by the director of journalism.

A student of journalism must work in five areas: skills courses, history id philosophy of journalism, theory of and research in communication, udy of professional performance and behavior, and practical experience—)mpleting a specified number of hours in each area. As a junior and nior, a student can specialize in an area of journalism by planning much his own journalism program, if he chooses, through independent udies, work-experience, and special problems courses. He is also en-)uraged to elect coursework in television-radio and to draw widely from ferings throughout the university. A student must complete a secondary)ncentration outside mass communications.

Mathematics

udents interested in a concentration in mathematics may earn either e Bachelor of Arts or the Bachelor of Science degree, depending upon eir objectives. Prospective teachers may be certified to teach with ther degree provided certification requirements are satisfied. Anyone nsidering a concentration in mathematics is urged to consult with an lviser in the mathematics faculty. Students who plan to do graduate)rk in any area of mathematics should take Mathematics 421 and 452.

Bachelor of Arts Degree, SCIENCE AND TECHNOLOGY DIVISION

eneral Studies Requirements (See Chapter 3. Waive GSA–3.)	84
equirements for Concentration in Mathematics	53
GSD FL (French, German, or Russian recommended)	(9)
Chemistry 105–5 or 125a–5 (can satisfy GSA 101c–3)	(3) + 2
Mathematics core courses—150–8, 250–4, 321–4, 350–8	24
Mathematics 420–6 or 421–9	6–9
Mathematics 452–9 or 483–9	9
Mathematics electives (recommended: 305, 415, 425, 430, 433, 455, 460, 475, or alternates above)	9–6
Physics 211a–4 and 211b or c–4 (satisfy GSA 101a–5)	(5) + 3
condary Concentration or Approved Supporting Courses	27
ectives	28
otal	192

Bachelor of Science Degree, SCIENCE AND TECHNOLOGY DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.) ...
Requirements for Concentration in Mathematics .....
Mathematics Core Courses 150–8, 250–4, 321–4, 350–8 24
Chemistry 105–5 or 125a–5 (can satisfy GSA 101c–3) .. (3) + 2
Specialization in one of the following 24
APPLIED MATHEMATICS
Mathematics 225–4, 305–4 8
Mathematics 455–9, or 475–9, or 483–9 9
Mathematics Electives (recommended: 405, 421, 472, or alternates above) 7
COMPUTER SCIENCE
Mathematics 225–4, 305a–4, 472a,b–6 14
Mathematics 455a–3, 473a–3, 474a–3, 475a–3 (any two) 3
Mathematics electives (recommended: 405, 421, 426, 455b,c, 473b, 474b, 475b,c, 483a, or alternate above) ... 4
Secondary Concentration or Approved Supporting Courses .....
Electives .....
Total 1

Bachelor of Science Degree, EDUCATION DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.) ...
Requirements for Concentration in Mathematics .....
Chemistry 105–5 or 125a–5 (can satisfy GSA 101c–3) .. (3) + 2
Mathematics core courses: 150–8, 250–4, 321–4, 350–8 24
Mathematics 311–4, 420–6 10
Mathematics 415–4, 430–4, 460–4 (any two) 8
Mathematics electives (recommended: 225, 305, 425, 433, 452, 483 or alternates above) 6
Physics 211a–4 and 211b or c–4 (can satisfy GSA 101a–5) (5) + 3
Secondary Concentration .....
Professional Education Requirements (See Secondary Education, pp. 74–75.) .....
Total .....

Secondary Concentration

A secondary concentration in mathematics consists of 27 hours a
includes courses through 150b and at least 12 hours selected from cour
above 200. Mathematics 420 is recommended for prospective teache
(The requirement for teacher certification in mathematics is 30 hours

Music

During the academic year, distinguished musicians join the faculty a
students for workshops, seminars, and performances. The list of musici
who have appeared includes Sigurd Rascher, saxophone; Leonard Sm
cornet; Sidney Foster, piano; the Riter-Allen Duo, violin-piano; Regin
Kell, clarinet; John Barrows and Philip Farkas, French horn; Vinc
Abato, clarinet-saxophone; Paul Price, percussion; Sol Schoenbach,
soon; composers Gunther Schuller and Halsey Stevens; Daniel Pinkh

composer-choral conductor; Walter Susskind, Conductor with the St. Louis Symphony Orchestra; Roger Wagner, Director of the Roger Wagner Chorale; Paul Steinitz, Director of the London Bach Chorale; Abram Stassevich, Moscow conductor; Ernst Wolff, leider-opera coach.

General Requirements

The requirements for entrance and graduation as set forth in this catalog are in accordance with the published regulations of the National Association of Schools of Music, of which this Faculty of Music is a member. The Bachelor of Music degree with specialization in performance, or in music education, and the Bachelor of Arts degree with concentration in music are offered.

Each full-time student must receive credit in a major ensemble during the quarter registered. Part-time students should consult with the adviser as to the minimum ensemble requirement. Substitute credit is permitted to selected students.

Each candidate for the Bachelor of Music degree with a concentration in music education must pass a piano proficiency examination. Unless he is enrolled in private applied piano, he must enroll in class piano during the first six quarters (summer quarter possibly excepted). If he fails to pass the proficiency examination by the end of the sixth quarter in class piano, he must continue the course without credit until the examination is passed. Voice class is required of all music education concentrations for three quarters with the exception of those students enrolled for an equivalent amount of private applied voice.

All students in private applied music must attend convocation and studio recitals in their performance areas. In addition, a minimum number of recitals, concerts, or other musical events stipulated by the Faculty of Music must be attended. Deficiency in recital attendance for any academic year results in a grade of incomplete in applied music.

Students with a concentration in performance must present the minimum of a shared recital during their junior year and a full recital during their senior year. Music education students must present the minimum of a half-recital during their senior year.

Students desiring concentrations in music should consult with a music adviser before their first appointment with General Studies Advisement and must audition before a music faculty committee for acceptance into music concentration.

Senior comprehensive examinations are required of all music education concentrations in the quarter directly preceding graduation. These exams may also be used in lieu of entrance exams for graduate study in music education if graduate study is begun within five years of the date of the awarding of the baccalaureate degree.

A handbook is published by the Faculty of Music with additional detailed information concerning the Bachelor of Music degree requirements.

Bachelor of Arts Degree, FINE ARTS DIVISION

These courses are for students who wish to specialize in music as part of their general cultural education. They may also be taken as background for advanced studies in music.

General Studies Requirements (See Chapter 3. Waive GSC–3.) ... 84
Requirements for Concentration in Music 57
GSC 156, GSD FL ..... (14)

Music 105–12, 205–9, and electives	39
Music private applied (2 hours per quarter)	12
Music major ensemble	6
Secondary Concentration	2
Electives	2
Total	19

Bachelor of Music Degree, FINE ARTS DIVISION

Music Performance

General Studies Requirements (See Chapter 3. Waive GSC–3.)	8
Requirements for Concentration in Music	111–123
Foreign Language	(9) + 12 [1]
Music 105–12, 205–9, 309a, 312a, 318a, 326a, 442a	36
Music 357–9	9
Music, private applied (major instrument)	48
Music, major ensemble (1 hour per quarter)	12
Music, class piano, or secondary instrument/voice	6
Total	195–207

Music Education

General Studies Requirements (See Chapter 3. Waive GSC–3.)	8
Requirements for Concentration in Music	78–9
Music 105–12, 205–9, 309a–3, 318a,b–6, 326a–3	33
Music 357–9	9
Music, private applied (major instrument)	24
Music, major ensemble (1 hour per quarter)	12
Piano proficiency or class	0–6 [2]
Voice proficiency or class	0–3 [2]
Music: class strings, woodwinds, brass—2 hours in each area	0–6 [2]

One year of French or German is recommended for the student wi a choral emphasis in music education.

Professional Education Requirements	
GSB 331–3	3
Educational Administration 355	4
Music 301–9	9
Counselor Education 305	4
Elementary Education 351a, Secondary Education 352d	12
Elective education course (to be selected with the music adviser)	4
Total	195–2

Before a student is approved for student teaching, he must satisfy t course of study and proficiency prerequisites as established by the F ulty of Music.

[1] Students with a specialization in voice should include two years of foreign language (erally one year each of French and German). The student should consult with his m adviser as to the sequence to be followed.

[2] Study on a secondary instrument or/and voice is possible if requirements for class struction are met by proficiency.

Secondary Concentration

A secondary concentration in music includes 105–12, 2 hours of credit per quarter for three quarters in peformance concentration, 6 hours in a major ensemble, GSC 156, Music 357c (357a or b will substitute). Total: 12 hours.

Nursing

Learning experiences in nursing are approached from the problem solving point of view. Comprehensive health plans and care emerge from applications of knowledge and skill gained from the natural, biological, and social sciences and communications courses. The student develops proficiency in the nurse's role as a teacher, working with patients, families, health teams, and other individuals and groups interested in nursing. The student is introduced to the health team concept, first as a member, later as a leader in the nurse team, and then as a participant in the inter-professional health planning for care and rehabilitation of patients.

Bachelor of Science Degree, DIVISION OF NURSING

General Studies Requirements (See Chapter 3. Waive GSA–6.)	84
Divisional Requirements	31
GSB 103a–4, 201a–4, 201c–4	(12)
GSC 252–4, 114d–4	(8)
Biology 220–3, 312–8	11
Counselor Education 350–4, 400–4	8
Philosophy 300–level course–4	4
Psychology 307–4	4
Sociology 321–4	4
Professional Nursing Education Requirements	71–74
Nursing 280–12[1], 301–8, 302–8, 303–8, 304–2, 350–8, 360–8, 370–8, 382–6, 384–2, 385–1 to 4	
Electives	6
Total	192–195

All students interested in nursing should seek advisement from the Division of Nursing during the first quarter of the freshman year. The grade of *C* or above is required of all nursing courses and General Studies Area *A*.

Philosophy

Students seeking a Bachelor of Arts degree with a concentration in philosophy enroll in the program below.

Bachelor of Arts Degree, HUMANITIES DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.)	84
Requirements for Concentration in Philosophy	51
Foreign Languages (equivalent of two years)	(9) + 9
Philosophy 385a,c–8, 385b or d or e–4, 490–4 or 495–4, GSA 363a or b–3, GSC 375a–3	22

[1] For students who are interested in the professional nursing education program, 280–12 must be taken prior to any 300-level nursing course.

Philosophy electives. GSA 363a or b–3 may be included 20
Secondary Concentration 24–2
Electives 33–3
Total 19

Secondary Concentration

A secondary concentration consists of 24 hours in philosophy course Toward this 24, 6 hours from GSA 363a or b and GSC 375 may coun

Physical Education

Completion of the concentration in physical education fulfills the Educ tion Division requirements for the Bachelor of Science degree and qualifi a student for the Illinois Standard Special Certificate (K through 14). A physical education students take the physical education theory core ar the general professional education requirements.

Bachelor of Science Degree, EDUCATION DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.) 8
Requirements for Concentration in Physical Education .....
Physical education theory core 46–54
Required theory courses 37
Biology 310–6 6
Health Education 334s–4 4
Physical Education 025–0, 303–5, 341–3, 350–4, 354–3, 370–4, 382–4 23
Physical Education 383–2, 384–2, 385–2, 387–2, 388–2, 389–4 (any 4 hours) 4
Elective theory courses 9–17
Physical education activity courses 21–13
MEN
Required: GSE 102; 104f or g; 104u; 117a,f; 118r,s .. 7
Select 3 hours from: GSE 104, 116, 118 (one additional course for each) 3
Electives: any additional activity courses may be selected 11–3
WOMEN
Required: GSE 112 or 114o; 114c; 114f or g; 114j,n; 117e; 118h,s 8
Select 5 hours from: GSE 112 or 114o; 116b,d; 117a,c,f; 118a,b,d,e,m,r 5
Electives: any additional activity courses may be selected 8–0
General Professional Education Requirements .....
Counselor Education 305–4 4
Educational Administration 355–4 4
Student teaching distributed between Elementary Education 351d and Secondary Education 352d 16
Recommended electives: Educational Administration 431–4, Elementary Education 203–4, Instructional Materials 417–4 (any 8 hours) 8

Electives	9
Total	192

Secondary Concentration

A secondary concentration in physical education (men) for teaching at the secondary level consists of 30 hours, including 5 hours of GSE required activity courses (see above under primary concentration for men); 1 hours of GSE elective activity courses (see above under primary concentration for men); 11 hours of required theory courses composed of Physical Education 025–0, 341–3, 350–4 or 384–2 and 387–2, and 382–4; and 3 hours of elective theory courses.

A secondary concentration in physical education (women) for teaching at the secondary level consists of 30 hours, including 10 hours of GSE required 1-hour activity courses composed of 112 or 114o, 114c,j, 114f or g or n, 117b,e, and 118h,i,s,w; 4 hours of GSE elective 1-hour activity courses composed of 112 or 114o, 114f or g or n, 116b,d, 117a,c,f, and 118a,b,d,e,m,r; 14–15 hours of required theory courses composed of Health Education 334s or Physical Education 376–3, Physical Education 025–0, 341–3, 350–4 or 384–2 and 387–2, and 382–4; and 1 to 2 hours of GSE or physical education electives.

A secondary concentration in physical education for teaching at the elementary level consists of 30 hours, including 9 hours of GSE required activity courses (see above under primary concentration); 3 hours of GSE elective activity courses; 14 hours of required theory courses composed of Health Education 334s–4, Physical Education 341–3, 350–4, and 354–3; and 4 hours composed of any two of the following 2-hour elective theory courses—Physical Education 383, 384, 385, 387, and 388—or 389–4.

Physical Science

The Faculty of Physics in cooperation with the secondary education faculty has developed a broad teaching field program in the field of physical science.

This program has been developed in order to encourage those people who will become good precollege level teachers to teach physical science, chemistry, earth science, and physics. The program is designed for students who have shown verbal rather than mathematical ability, and it is hoped that by emphasizing the physical phenomena rather than the mathematical formalities that the student will obtain an appreciation for the important role played by the physical sciences in the development of our Western culture.

Bachelor of Science Degree, EDUCATION DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.)		84
Requirements for Concentration in Physical Science		67
GSA 110	(8)	
GSA 101a–5, 356–3, 363a–3	11	
Chemistry 111–15, 235–5	20	
Physics 206–15	15	
Science and Technology 402–4, 403–6, 475–3	13	
Mathematics 150–8	8	

Professional Education Courses (Teachers Certification Program; see pages 74–75.)	3
Electives	1
Total	19

Physics

The Faculty of Physics provides two degree programs for students wishin to study physics. The B.S. degree program is recommended for those st dents planning to work in industry immediately upon graduating. Th program is somewhat more rigid than the B.A. program in that it co tains fewer electives, though approximately the same number of r quired hours. The B.A. degree program is very similar to the B.S. e cept that a year of language is required for this degree, and there somewhat more freedom in the student's choice of physics courses. Th majority of physics students take many more than the minimum of hours in physics, thereby satisfying the physics requirements for eith degree. If they also meet the foreign language requirement, the choi of degree then becomes merely a matter of personal preference.

Bachelor of Arts Degree, SCIENCE AND TECHNOLOGY DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.)	
Requirements for Concentration in Physics	
Foreign Languages (equivalent of one year)	(9)
Chemistry 111a,b	10
Mathematics 150–8, 252–8	16
Physics 211–12, 212–3, 300a–4, 300b–1, 301–8, 305–8	36
Physics electives numbered 299 or above, including 4 hours of laboratory, to complete 48 hours	12
Secondary Concentration	11–
Electives	23
Total	1

Bachelor of Science Degree, SCIENCE AND TECHNOLOGY DIVISION

General Studies Requirements (See Chapter 3. Waive GSA–3.)	
Requirements for Concentration in Physics	
Chemistry 111a,b	10
Mathematics 150–8, 252–8, 305–8	24
Physics 211–12, 212–3, 300a–4, 300b–1, 301–8, 305–8, 415a,b–8, plus 3 additional hours of upper level laboratory work and Engineering 200a–3, 201a–1	51
Secondary Concentration	3–
Electives	20
Total	1

Secondary Concentration

A secondary concentration in physics includes Physics 211–12, 212 300a–4, 300b–1, and electives numbered 200 or above to total 27 hou

The above is the minimum required for graduation. Most students v take more than the required number of hours and still graduate in f

ears. It is important that the student contact the Faculty of Physics ncerning his program at the earliest possible date, even if he has not ficially declared his concentration.

Professional Writing

Bachelor of Arts Degree, HUMANITIES DIVISION

eneral Studies Requirements (See Chapter 3. Waive GSC–3.)		84
equirements for Concentration in Professional Writing		85
English 300–4, 392–3, 490–4, 492–4, and 6 approved hours ..	21	
Foreign Language (Intermediate)	9	
Journalism 101–3, 103–3, 201–3, 202–3, 391–3, and 3 approved hours	18	
Philosophy: GSC 375–3, Philosophy 342–4, 360–4, 484–4 (any two)	7–8	
Approved electives in anthropology, economics, English, government, history, journalism, sociology, and speech	30–29	
condary Concentration		0
ectives		23
otal		192

Psychology

ndergraduate courses in psychology introduce the student to the methds and findings of the scientific study of human behavior. He is given opportunity to learn what research has shown about how we perceive, rn, and think; how individuals differ from one another; how the perhality develops from infancy to maturity; and how interpersonal factors ect human relations in the home, on the job, and in the community.

Bachelor of Arts Degree, EDUCATION DIVISION

r this degree, a concentration requires a minimum of 44 hours in psyology. The primary aim is to provide a broad general education rather tn specialized professional training in psychology; a maximum of three urses in any one specialized area of psychology may be included in the 4-hour concentration. Students should consult with the designated psyology adviser in planning their courses of study and especially in selecti electives.

neral Studies Requirements (See Chapter 3. Waive GSB–3.)		84
quirements for Concentration in Psychology		40
GSB 201c (counts toward minimum of 44 hours in psychology)	(4)	
Psychology 211a,b; 311; 312, 313, or 314; 409 (must be taken in order listed)	20	
Psychology electives 301, 303, 304, 305, 307, 320 (any two) ..	8	
Psychology electives 404, 406, 407, 408, 420, 421, 431, 440, 451, 461, 465, 473, 474, 479, 490, 495 (any two)	8	
Psychology elective (any 300- or 400-level course excluding 432)	4	
ondary Concentration		27
ctives		41
tal		192

Bachelor of Science Degree, EDUCATION DIVISION

For this degree, a concentration in psychology requires a minimum of 4 hours in psychology. This course of study is designed for the student wh intends to teach, pursue graduate studies in counselor education, scho psychology, or in psychology with an educational orientation. Studer teaching is required for this degree. A strong second teaching field shoul be planned in consultation between the secondary education adviser an the student.

General Studies Requirements (See Chapter 3. Waive GSB–3.)	8
Requirements for Concentration in Psychology	4
GSB 201c (counts toward minimum of 48 hours in psychology)	4
Psychology 211a,b, 311, 312 or 313, 409 (in sequence)	20
Psychology 301, 303, 305, 307, 320 (any three)	12
Psychology 407, 421, 431, 440, 461, 465 (any three)	12
Professional Courses	
Counselor Education 305	4
Educational Administration 355	4
Secondary Education 315	4
Secondary Education 352d	12–16
Education electives to complete 32 hours	8–4
Secondary Concentration (should be planned as a strong second teaching field)	
Electives	
Total	1

Secondary Concentration

A secondary concentration in psychology consists of a minimum of hours. Students intending to pursue an occupation related to psycholo (e.g., counseling, personnel work, or teaching psychology) include their program GSB 201c, Psychology 211a,b, and 311 plus psycholo electives to meet minimum hour requirements. Students with a gener interest in psychology but not planning related academic or vocation pursuits should include in their program GSB 201c and Psychology 21 plus psychology electives to meet minimum requirements.

Students who have completed GSD 114d or Sociology 308 should n include Psychology 211b in their program.

Secondary Education

Completion of the concentration in secondary education fulfills the U versity and the Education Division requirements for the Bachelor Science degree and qualifies the student for the Illinois Standard Hi School Certificate with an endorsement in the teaching field selected the student. The program includes GSB 203a–4 or GSB 300a–3, there fulfilling the state requirements for a course in either American histo or government.

For Missouri certification the following courses need to be includ in the program: Instructional Materials 417–4—Audio-Visual Metho in Education; Psychology 303–4—Adolescent Psychology; or any seco course classified as a methods or curriculum course.

Bachelor of Science Degree, EDUCATION DIVISION

neral Studies Requirements (See Chapter 3.)	84
GSB 201c–4, 203a–4 or 300a–3, or 331–3 (10–11)	
ofessional Requirements	32
A. Educational Foundations 4–8	
Educational Administration 355–4. Elective: 431–4	
B. Psychological Background 4–8	
Counselor Education 305–4. Electives: 422–4, Psychology 303–4.	
C. Curriculum and Instruction 4–8	
Secondary Education 315–4. Electives: Instructional Materials 417–4, Secondary Education 407–4, 440–4, 487–4, 488–4.	
D. Student Teaching 16	
Secondary Education 352d–8 to 16.	
aching Fields (available fields listed below.) Certain Gen-	
ral Studies courses may be applied	75
ctives	1
tal	192

Teaching Fields

In cooperation with other divisions at the Edwardsville Campus a wide range of teaching fields are available to students concentrating in secondary education. While it is possible to include two teaching fields in a general baccalaureate program, the Education Division does not usually recommend the arrangement. A focus on a single field is also urged by the North Central Association of Colleges and Secondary Schools.

Assistance in making a choice between these fields can be obtained from a secondary education major adviser in the Education Division Office of Student Teaching, room 2228 in the General Office Building. The adviser also provides students with the details of the teaching field programs and directs students to a teaching field adviser.

- rt
- usiness Education—a concentration in any one of the following may be elected:
  - accounting, data processing, marketing, economics, office services, secretarial administration
- iology
- hemistry
- conomics
- nglish
- oreign Languages:
  - French, German, Spanish
- eneral Science and Mathematics (junior high school)
- eography
- overnment
- ealth Education
- History
- Instructional Materials
- Language Arts (junior high school)
- Mathematics
- Physical Education
- Physical Science
- Physics
- Psychology
- Social Studies (either junior or senior high school)
- Sociology
- Speech
- Special Education—a concentration in any of the following may be elected:
  - gifted, educable mentally handicapped, emotionally disturbed

Sociology

Bachelor of Arts Degree, SOCIAL SCIENCES DIVISION

General Studies Requirements (See Chapter 3. Waive GSB–3.) ....
Requirements for Concentration in Sociology .....
Anthropology, psychology (one course in each) 8
Sociology 301, 312, 321, 451 16
Sociology electives to complete 45 hours (410–8 is recommended for those planning to pursue graduate work in sociology) 22
Secondary Concentration .....
Electives .....
Total 1

Social Welfare

General Studies Requirements (See Chapter 3. Waive GSB–3.) ....
Requirements for Concentration in Sociology .....
Anthropology, economics, government, psychology (one course in each) 16
Sociology 301, 312, 321 12
Social Welfare 375, 383, 481, 482 16
Sociology electives to complete 45 hours (410–8 is recommended for those planning to pursue graduate studies in social welfare) 12
Secondary Concentration .....
Electives .....
Total 1

Bachelor of Science Degree, EDUCATION DIVISION

For this degree, the requirements for concentration in sociology inclu 301, 302, 321, 333, 340, 374, and sociology electives to complete 48 or hours depending on whether the student has one or two secondary c centrations. One (but not two) secondary concentration should be in other social science.

Secondary Concentration

A secondary concentration in sociology or social welfare consists of hours of electives.

Special Education

Completion of the concentration in special education fulfills the U versity and the Education Division requirements for the Bachelor Science degree. In addition it qualifies the student for the Illi Standard Special Certificate with an endorsement for teaching eit the educable mentally handicapped, the emotionally disturbed, or gifted from kindergarten through grade fourteen. A graduate from program also qualifies for appropriate Missouri certification.

Provision is made for students to elect an area of emphasis within special education program. The student may specialize in the educa mentally handicapped, the emotionally disturbed, or the gifted.

Bachelor of Science Degree, EDUCATION DIVISION

neral Studies Requirements (See Chapter 3. Waive GSC–3.)	84
quirements for Concentration in Special Education	32
One of the following specializations:	
DUCABLE MENTALLY HANDICAPPED	
Special Education 410b–4, 413b–4, 414–4, 420–4, 428–4, 481b –4	24
Special Education 353 (8 hours of student teaching of educable mentally handicapped children)	8
MOTIONALLY DISTURBED	
Special Education 410a, 413a, 414, 420a, 428, 481a	24
Special Education 353 (8 hours of student teaching of emotionally disturbed children)	8
IFTED	
Special Education 410c, 413c, 414, 420c, 428, 481c	24
Special Education 353 (8 hours of student teaching of gifted children)	8
fessional Courses	32
Counselor Education 305–4, 422–4	8
Educational Administration 355	4
Elementary Education 314–4, 337–4, 351d–8	16
nstructional Materials 417	4
iprofessional Requirements	8
Psychology 301, 432	8
ctives	36
al	192

Speech

students with either a primary or a secondary concentration in speech heater must participate in one or more of the performance activities: ate, forensics, theater production, oral reading, television-radio.

he degree and extent of the participation are determined through sultation with the student's adviser. Upon declaration of a concentra- in speech the student should consult with a faculty adviser to plan program.

tudents with primary concentrations in speech and theater in their or year present to an examining committee of speech and theater lty a special senior project consisting of an oral presentation that nplifies effective speaking and reveals the student's grasp of speech ject matter on a topic that embraces a relatively broad area of speech. ly in the senior year the student with the consent of his adviser deter- es the area and extent of the topic selected. The committee certifies project as acceptable only if it meets minimal standards of effective meaningful communication.

Bachelor of Arts or Bachelor of Science Degree, FINE ARTS DIVISION

eral Studies Requirements (See Chapter 3. Waive GSC–3.)	84
uirements for Concentration in Speech	48
SC 157, GSD 103, FL	(17)
peech 202, 205, 224, 301	14

Speech Pathology and Audiology 200 or Speech 104	4
Electives in at least three of the following areas: television-radio, speech, speech pathology and audiology, and theater	30
Secondary Concentration	
Electives	
Total	1

Students seeking certification for teaching with the Bachelor of Ar degree must take the program outlined above, including Speech 40 Theater 100, 200, 300, and 400–6 to 8 hours each, and meet the oth minimum standards for certification listed under Secondary Education this chapter. The requirements for the Bachelor of Science degree are t same except that the foreign language is not required.

Bachelor of Science Degree, EDUCATION DIVISION

Students seeking the Bachelor of Science degree with a concentrati in speech education must take the program outlined above, includi Speech 406, Theater 100, 200, 300, and 400–6 to 8 hours each, and me the other minimum standards for certification listed under Secondary E ucation in this chapter.

Secondary Concentration

A 30-hour secondary concentration in speech must be planned in cons tation with the chairman of the Speech and Theater faculty. Studer electing speech as a second teaching subject must include Speech 4

Speech Pathology and Audiology

Bachelor of Arts or Bachelor of Science Degree, FINE ARTS DIVISIO

General Studies Requirements (See Chapter 3. Waive GSC–3.)	
Requirements for Concentration in Speech Pathology and Audiology	
GSB 201c, 331	(7)
GSD 103, FL[1]	(12)
Counselor Education 305, 422	8
Educational Administration 355	4
Elementary Education 314, 337, 351d–8	16
Psychology 301, 305	8
Special Education 414	4
Speech Pathology and Audiology 200, 203, 212, 318, 319, 405–8, 406, 412, 414, 415, 416, 419	52
Electives	
Total	1

Student Teaching

Student teaching is the culminating experience in all professional b calaureate programs of the Education Division. Most students find it single most rewarding and stimulating experience provided in the p gram. It is needed in order to meet the degree requirements of Division, the certification requirements of the states of Illinois a

issouri, and the standards of the National Council for the Accreditation Teacher Education.

A fully satisfactory student teaching experience necessitates a full day volvement in a public school. The faculty of the Education Division s also found that students cannot thoroughly realize the possible benefits student teaching if they are either employed part-time or registered for campus class. In order to insure the maximum gain from student aching, students need to plan an academic year quarter in which student aching will be free of other major demands upon time and energy. nce no student teaching is available in the summer for undergraduate udents in the regular degree program, the quarter selected for student aching will have to be in the fall, winter, or spring.

Application Procedure

request to undertake student teaching is made on the appropriate form tained from and filed with the Education Division Office of Student aching. This step needs to be taken during the winter quarter of the udent's junior year and no later than two quarters before enrolling in student teaching course.

After filing an application for student teaching, the student is interwed by an education adviser in the Education Division Office of Stunt Teaching. The adviser determines if all prerequisites to student aching have been met and schedules a pre-student teaching small group entation session for the student.

The school in which the student teaching is conducted is selected by e adviser after consultation with the student. The Education Division s cooperating schools within a 50-mile radius of the campus. Students ould be prepared to accept an assignment in any of these schools. The cision as to which school is assigned is primarily dependent upon the udent's background and academic needs. While every effort to minimize udent travel is made, other factors have priority, among which are the ailabilility of a challenging student teaching situation and university pervision.

Before the assignment is confirmed, the student is interviewed by the hool's principal and the classroom teacher, known as the "cooperating cher," with whom the student teacher will be working.

Prerequisites to Student Teaching

GENERAL

e following are prerequisites that need to be met prior to registering d receiving an assignment for student teaching:

1. At the beginning of the junior or senior year an intensive two-week e-student teaching experience is provided all winter and spring student chers. It is composed of orientation sessions, and classroom observation d participation. It is called the "September Experience," since it is heduled at the beginning of the cooperating school's fall term. This ually begins the last week of August or the first week of September. here possible the student visits in the school wherein the student teachi will be undertaken.

Application for the September Experience must be filed with the Educion Division Office of Student Teaching no later than the mid-term of th spring quarter in order to insure the availability of a public school uation.

Fall quarter student teachers fulfill the September Experience requirements by assuming their regular student teaching assignment at the beginning of the cooperating school year.

2. Student teaching assignments are given after the completion of at least 144 quarter hours to students who have a minimum overall 3.0 grade-point average which covers any grades that may have been transferred from other institutions. Transfer students need to be in residence for a quarter prior to student teaching.

3. In compliance with a State of Illinois regulation a prospective student teacher takes a physical examination. Forms for reporting such examination are to be returned to that office at least two months prior to student teaching.

SECONDARY EDUCATION

1. Students concentrating in secondary education are asked to complete 16 quarter hours in professional education courses prior to student teaching. These courses are to include Counselor Education 305, Educational Administration 355, Secondary Education 315, or a specialized methods course in the student's teaching field, and one elected course.

2. It is also expected that secondary education students will have completed 32 hours of their studies in their chosen teaching field with certain exceptions. Forty-eight hours will be completed by students who have chosen one of the following teaching fields: art education, business education, general science and mathematics, language arts, physical education, physical science, and social studies.

3. Before a student teaching assignment is made, a recommendation for student teaching from the student's education adviser is to be on file and for secondary education concentrations a recommendation from the student's teaching field adviser is also needed.

ELEMENTARY EDUCATION

Students concentrating in elementary education complete a minimum of 24 quarter hours in professional education courses prior to student teaching. Courses to be included are: Counselor Education 305, Educational Administration 355, and Elementary Education 314 and 33

EARLY CHILDHOOD EDUCATION

In addition to the above elementary education prerequisites, an early childhood education concentration completes Elementary Education 3 before student teaching.

SPECIAL EDUCATION

In addition to the above elementary education prerequisites, a student concentrating in special education completes a minimum of 16 hours special education before registering for student teaching.

Theater

Bachelor of Arts or Bachelor of Science Degree, FINE ARTS DIVISION

General Studies Requirements (See Chapter 3. Waive GSC–3.) ....
Requirements for Concentration in Theater .....
GSC 354–9 9

GSD 103–3, FL[1]	(12)
Speech 104–4, 224–4	8
Theater 100, 200, 300, 400 (a program arranged with the Director of Theater, prior to advisement, with studios in acting/directing, design/technical theater, costuming/makeup, management/publicity, dance/stage movement)	72
lectives	19
otal	192

Secondary Concentration

36-hour secondary concentration in theater must be planned in consultation, prior to advisement, with the Director of Theater.

ASSOCIATE DEGREES

Child Care Services

he Associate in Arts degree with a specialization in Child Care Services is designed to help the student develop skills in working with children under seven years of age. All Child Care Services courses combine eory with its practical application through field experience.

This program is intended both for those who wish to acquire the skills eded to enter the field of nursery education and day care, and for those eady holding positions in this field but who wish also to make use of e opportunity to improve performance of their current job or to prepare f advancement.

Students planning to specialize in Child Care Services should consult th the Division of Technical and Adult Education.

Associate in Arts Degree, DIVISION OF TECHNICAL AND ADULT EDUCATION

eneral Studies Requirements	47
ild Care Services Courses	41
ectives	8
tal	96

Accounting

e Associate in Business degree with a specialization in accounting ers a practical and an up-to-date background for a student who wishes t prepare for a position as bookkeeper, payroll clerk, junior accountant, assistant to a senior accountant or to an auditor. It also offers a base on which to build a more sophisticated business education in preparan for senior positions.

Associate in Business Degree, DIVISION OF TECHNICAL AND ADULT EDUCATION

neral Studies Requirements	30
neral Business	32
counting	20

[1] A foreign language is not required for the Bachelor of Science degree.

Option A or B	1
Option A: Quantitative Analysis and Systems	16
Option B: General Accounting	16
Total	9

Industrial Management

The Associate in Business degree with a specialization in industrial mar agement is designed for adults who have had some experience in wor situations. It prepares its participants for positions such as unit supe visor, assistant superintendent, section head, and branch manager of sma organizations. It also builds a base upon which to form a more sophist cated business education in preparation for senior positions.

Associate in Business Degree, DIVISION OF TECHNICAL AND ADUI EDUCATION

General Studies Requirements	3
General Business	4
Option A or B	2
Option A: Production	20
Option B: Personnel	20
Total	9

Secretarial Studies

The Associate in Business degree with a specialization in secretarial stu ies is planned for students who wish to prepare for positions as profe sional secretaries in business, industrial, and governmental offices. It i cludes a combination of general education and skill-building cours which are necessary to provide a high degree of occupational competenc

Associate in Business Degree, DIVISION OF TECHNICAL AND ADUI EDUCATION

General Studies Requirements	2
Business Education Core	2
Business Education	4
Total	9

6 / Degrees

Southern Illinois University at Edwardsville grants the following undergraduate degrees:

Bachelor of Arts
Bachelor of Science
Bachelor of Music
Associate in Arts
Associate in Business

Graduation

Every candidate for a degree must file written application with the Registrar no later than the first week of his last quarter in attendance before the desired graduation date. Therefore, a person desiring to graduate in the June Commencement should make application for graduation during the first week of the spring quarter. The application forms are available in the Registrar's Office.

At the time of application the student must pay his graduation fee and order his cap and gown through the University Bookstore and register with University Placement Services. A student must have a 3.00 grade-point average before his application for a degree may be accepted.

In addition to the satisfying of all necessary academic requirements each candidate for a degree must make certain that he has no outstanding financial obligation with the University. Otherwise, his graduation clearance will be held up.

Students must attend Commencement exercises to receive their diplomas, unless in advance they obtain permission to be graduated *in absentia.*

Bachelor's Degrees

Every bachelor's degree candidate is expected to meet the University's general requirements and to follow the recommendations of his academic unit.

Each candidate for the degree must complete a minimum of 192 hours of credit in approved courses. At least 64 must be in third-level (*i.e.*, 300- or 400-level) college courses. Each student must have a *C* average, and grades not lower than *C* in subjects aggregating at least three-fourths of the work. A *C* average is required in the area of concentration. These averages are required for credit made at this University as well as for the total record. To receive a bachelor's degree from Southern Illinois University a student must present either a total of three years' work (144 hours) earned at Southern Illinois University or 48 senior college hours earned at the University, 16 of which may be earned in extension.

A student who receives his first bachelor's degree from Southern Illinois University and who desires a second bachelor's degree must complete a minimum of 45 hours in addition to those required for the first degree and must fulfill the requirements for the second degree. Of these 45 hours,

a minimum of 15 must be taken in residence at the University, and maximum of 15 may be acquired in extension and/or correspondenc courses. At least 30 hours must be in senior college courses. If a stude received his first bachelor's degree from another university, a minimu of 48 hours are required to fulfill the residence requirement for the seco bachelor's degree, two-thirds of which must be in senior college cours

The State of Illinois requires that American patriotism and the prin ples of representative government, as enunciated in the American Decla tion of Independence, the Constitution of the United States of Ameri and the Constitution of the State of Illinois, and the proper use and d play of the American flag shall be taught in all public schools and oth educational institutions which are maintained in whole or in part by pu lic funds, and that no student shall receive a certificate of graduati without passing a satisfactory examination upon such subjects. Gover ment 300a, History 426, and GSB 203a, 300a, and 318 offer su instruction.

Students preparing to teach must satisfy the certification requiremer of the state in which they plan to teach. Certification information m be obtained from the Registrar's Office. Most students who plan to tea in the public schools register in the Education Division.

Associate Degrees

Each candidate for an associate degree must complete a minimum of hours of credit in approved courses. Each student must maintain a average. The degree-granting unit for the associate degree is the Divisi of Technical and Adult Education.

The Associate in Business degree is designed to give the student t skills he needs to perform a specific job or type of job. It offers specializ tions in accounting, industrial management, and secretarial studi Courses for each of these specializations are available both during t day or evening. Each specialization may be completed in two years the full-time student or in four years by the part-time evening stude This program is intended for high school graduates who wish to prepa for a first time full-time job and for adults with some working experien who desire to qualify themselves for advancement in a chosen field or t transfer to a different specialization.

Enrollment is limited to those whose purpose is to acquire the ski necessary for an initial job in the chosen field. This program should not confused with the first two years of any of the four-year programs offer by other academic units of the University.

The only program in the Associate in Arts degree offered at this ti is child care services.

The associate degree programs are listed in detail at the end Chapters 5 and 8 in this catalog, following the information on bachelo degree programs.

Preprofessional Programs

Preprofessional students may, subject to certain conditions, obtain bachelor's degree after three years' work at Southern Illinois U versity and one or more years' work in a professional school. Duri their three years of residence at Southern Illinois University they ne

to have completed all requirements other than elective hours for the bachelor's degree which they are seeking.

In some cases the completion of concentration requirements is possible by their taking certain courses at the professional school, but this is permitted only upon the prior approval of the appropriate division dean. Also, there needs to be completion of at least one year of professional work with acceptable grades in a Class A medical school, a Class A dental school, a Class A veterinary school, or an approved medical technology or law school. In all cases, all University graduation requirements must be met. It is advisable for a student interested in this program to make his decision to seek a bachelor's degree before entering the professional school so that any questions may be clarified at an early date. Preprofessional training is offered in the areas of medical technology, medicine, dentistry, and veterinary science.

Students working toward the Bachelor of Science degree in agriculture may attend the Edwardsville Campus their freshman year and transfer to the Carbondale Campus for the completion of the degree. In preparing for one of the agriculture professions, the student should follow closely the appropriate course of study as suggested in the Carbondale Campus Undergraduate Catalog.

Students working toward a Bachelor of Science degree in home economics may attend the Edwardsville Campus their freshman and sophomore years and transfer to the Carbondale Campus for the completion of the degree. In preparing for this degree, the student should follow closely the appropriate course of study in the Carbondale Campus Undergraduate Catalog.

Advanced Degrees

For information concerning master's degrees or the specialist's certificate, refer to the Graduate School Catalog or direct inquiries to the Assistant Dean, Graduate School, Southern Illinois University, Edwardsville, Illinois 62025.

7 / Student Affairs

SOUTHERN ILLINOIS UNIVERSITY at Edwardsville recognizes the importance of providing students every opportunity to benefit in the fullest manner from their college experiences. The primary goals of Student Affairs are to: (a) provide services which help students to continue their education and be in the best possible mental and physical condition for learning in the classroom; (b) facilitate the development of students through activities in which they participate or situations in which they become involved; and (c) teach students to be humane.

Student Services

The University is concerned with an integrated approach to student needs and problems in intellectual, social, spiritual, and physical areas. Students may learn about and be referred to specialized services throughout the University by publications describing the services and by the personnel in units which are concerned with students.

Those functions of Student Affairs relating directly to students include the student services administered by the Dean of Students. These services include: Counseling and Testing, Student Housing, Student Activities, Health Service, and Student Work and Financial Assistance.

Office of the Dean of Students

The Dean of Students on the campus coordinates the student services offered by the functions within Student Affairs. The deans and their staffs work closely with other University offices, with students, with faculty, and with campus ministers in planning and implementing an integrated program of activities and services. The Office of the Dean of Students provides information about the University and its services, lends assistance to students who request it, and conducts exit interviews for students withdrawing from the University.

Counseling and Testing

The Counseling and Testing Center is staffed with professional counselors who are qualified to discuss freely any problem or plan—academic, personal, or vocational—that may concern the student. Counseling is designed to aid the student in arriving at a realistic solution to his problem by providing a permissive setting in which he may freely verbalize his thoughts and feelings and, in turn, gain insights for greater understanding. The counselor may use tests as an aid in helping the student evaluate his strengths and limitations. These may include measures of interest, aptitude, personality, and achievement.

Most of the students who seek help from the Counseling and Testing Center refer themselves. However, referrals are received from the faculty

and from agencies throughout the University. Students may make a pointments by telephone. Services are free.

The American College Testing Program is administered on the E wardsville Campus. In addition to the extensive individual testing co ducted in conjunction with counseling, the Counseling and Testing Cent administers testing programs for selection, placement, and research pu poses.

An on-going program of research is carried out by the staff of t Counseling and Testing Center in student attitudes, aptitude, achiev ment, and background; the college environment; and other areas relat to the total educational process. Staff members serve as consultants other faculty members in educational and institutional research.

Student Housing

Because of the relationship between the student's living environment a his progress towards attainment of his educational goals, Southern Il nois University seeks continually to influence both the availability a quality of off-campus housing.

BASIC STUDENT HOUSING POLICY

Because of concern for and interest in the housing of students, the Boa of Trustees of Southern Illinois University established, in 1963, ba policy on student housing. At its meeting in April, 1965, the Board Trustees amended its 1963 policy and passed a resolution which esta lished the current basic policy on student housing as follows.

Single undergraduate students not residing with their parents or guar ians will be permitted to reside only in those accommodations which ha been and which continue to be classified by the Administration as A cepted Living Centers. Any single undergraduate student who resides accommodations not designated as an Accepted Living Center shall be su ject to disciplinary action. The Administration vigorously encourages th all accommodations used by graduate students and married undergra uates meet the same minimal standards.

The qualifications necessary for a living unit to be classified as an A cepted Living Center encompass due consideration for safety, sanitatio health and recreation, supervision, and the creation of an environme conducive to good study conditions. In addition, the living unit must limited to students of Southern Illinois University and available to students of the University regardless of race, color, religion, or natio origin.

The Administration reviews annually the Housing Policies and Star ards and makes appropriate recommendations to the Board of Truste for upgrading living conditions for students.

UNIVERSITY HOUSING

The University's first housing facilities were approved February 16, 19 Official occupancy began during the winter quarter, 1970. The thirty-o attractive two-story apartment buildings contain eight apartments ea The University's objective is to provide temporary housing for facu and staff members and long-term housing for single and married stude —undergraduates, graduates, and graduate assistants. These minim cost apartments are designed to provide a comfortable, convenient livi environment conducive to effective study habits and social growth.

ormation concerning application and qualifications to live in University ousing may be obtained from the Housing Office, Southern Illinois Uniersity, Edwardsville, Illinois 62025.

OFF-CAMPUS HOUSING

Owners of off-campus housing facilities use the University's contract orm for student rental housing. Each student contract has to be signed by he owner or his legal representative, by the student renter, and by an ppropriate staff member of the Office of the Dean of Students.

Staff members of the Office of the Coordinator of University Housing re available to advise students who seek off-campus accommodations. Experience has indicated that attempting to obtain off-campus facilities y mail is generally unsatisfactory. Therefore, prospective students are rged to visit the campus and personally seek desirable living accomnodations.

Detailed information concerning housing may be found in "Student Housing Policies and Standards," which may be obtained at the Office of he Dean of Students.

Student Activities

The staff members of the Student Activities Office are available to all ampus groups and individuals in planning, conducting, and evaluating ctivities and programs.

Besides honorary organizations which stimulate and recognize academic chievements, other groups and organizations exist to meet the educaional, religious, social, recreational, political, and other special interests f the student.

Through the use of the Student Activities funds, certain all-campus roups are able to initiate and plan a wide variety of programs for the ntire campus community.

Through the establishment and recognition of such organizations and rograms at Southern Illinois University, Edwardsville, students are able o become involved with the academic community. Participation in any roup or organization is open to all students.

Health Service

Health Service provides medical services to the students, faculty, and taff within the limits imposed by the size and professional status of the taff, by legal obligations, and by the available facilities.

A physical examination, preferably performed by the family physician, s required of all students before attending classes on a full-time basis. A implified form is furnished the student for this purpose; it should be nailed or brought to the Health Service on completion. From this record, decisions may be made relative to special considerations for physical disabilities, need for individualized physical education courses, and treatment of illnesses while the student is enrolled.

Detailed information about the services provided and the voluntary health insurance program available to students at special rates may be obtained through a brochure available at Health Service.

Office of Student Work and Financial Assistance

Southern Illinois University, Edwardsville, has an excellent program whereby a student may combine student work with financial assistance to

defray a large part of his educational expenses. Student job diversity e tends from unskilled entry jobs to those jobs requiring college trainin Employment opportunities for students exist in every unit of th University.

The Student Work Program provides part-time employment and wo experience which relates, if possible, to the student's academic program The kind of training and length of the program are determined by th employing unit in cooperation with the Office of Student Work and Fina cial Assistance.

Undergraduates employed on campus are paid from $1.45 to $2.25 p hour, based upon off-campus experience and the number of years satisfactory service to the University. Graduate students receive $1.(to $3.00 per hour if working in a non-related field. Graduate studen working in a related field receive $2.15 to $3.00 per hour.

Undergraduates and graduates must be enrolled in at least 3 hours qualify for part-time student work on campus during any quarter.

In addition to student work, scholarships, grants, loans, and other aic are available to assist academically capable, financially needy student As a part of the award program, the Board of Trustees has establishe tuition awards known as Southern Illinois University Scholarship ar Activity Awards. To apply for awards, entering freshmen must ha ranked in the upper half of their graduating class and have achieved minimum comprehensive high school average of *C;* enrolled students mu have a minimum average of *C* for all college work. For scholarships avai able to upperclassmen, a minimum average of *C* is required for all colle work. For some scholarships, higher averages are required both f eligibility and maintenance.

The limitations of such forms of assistance make it inadvisable for a undergraduate to expect to meet all University expenses from suc sources. The University may assist in making up the difference betwe college costs and the student's resources through scholarships, award and loans.

Students desiring to apply for financial assistance must be officially a mitted to the University and should request an application for financi assistance from the Student Work and Financial Assistance Office. I general, students should apply for assistance between January 1 an March 15 prior to the September when assistance is needed.

Identification Cards and Number Three Cards as Certificate of Registration

Each student receives an identification card which bears his photograp and serves to identify him while he is enrolled at Southern Illinois Un versity, Edwardsville.

A Number Three Card, issued each quarter at the time of registratic certifies payment of tuition and various fees. The identification card used with the Number Three Card for the current quarter to identi students who have paid the student activity fee and are eligible to u University facilities.

The identification card and the Number Three Card are legal doc ments. A student who loans, borrows, or alters these cards is subject disciplinary action; in addition, such action may be considered a crimin offense as well as an infraction of University regulations. It is importa to obtain a new certificate of registration each quarter and *to carry bo*

he identification card and the current certificate of registration at all imes. These cards are also used to borrow books from the University Libraries and for other situations on the campus where positive student dentification is required.

Student Guidebook

Specific information and current policies concerning housing, motor vehicle regulation, student activities, student code, and general matters are found in the *Student Guidebook,* which is distributed to new students upon admission to the University. All students should be cognizant of University requirements and regulations and may obtain copies of the *Student Guidebook* from Central Publications or from the Office of the Dean of Students.

Bursar

The Bursar's Office accepts payment of tuition, fees, and room charges. It also distributes checks for student employment. Limited check cashing services are provided to students. Students are encouraged to establish checking accounts in local banks of the area to obtain the full services of a regular checking account.

Residence Regulations

Regulations defining the residence of students for purposes of registration in Southern Illinois University, Edwardsville, are as follows:

1. Evidence showing the residence of every applicant for admission to the University must be submitted to the Registrar at the time of application for admission, and resident or nonresident fees shall be assessed on the basis of evidence appearing in the Registrar's records.
2. In all cases where the records indicate that the student's home is outside the state of Illinois, the nonresident fee shall be assessed. A student who takes exception to the ruling may file a claim for a refund, but this must be submitted to the Registrar within 10 days of the opening date of the quarter for which the charge was made.
3. In the case of a student who is a minor, the residence of the parent, or if the student has no parent, the guardian of this person, shall govern unless there is proven to have been complete emancipation of the minor from his parents or guardian and he has established residence in the state of Illinois.
4. Any student, adult or minor, whose parents have established a bona fide residence in the state of Illinois will be regarded as a resident for registration purposes; except that an adult student who has established a residence on his own account outside of the state must conform to the terms set forth in regulation 6 to be classified as a resident.
5. A wife is classified as a resident for registration purposes if her husband is a bona fide resident of the state of Illinois preceding and at the time of her registration.
6. An adult student, whose parents are deceased or whose parents reside outside the state, to be considered a resident of Illinois for purposes of registration must be a bona fide resident of the state for three months preceding the beginning of any quarter for which he registers at the University and must present evidence that he is self-sustaining and not under parental control.

7. An adult alien who holds valid immigration papers and is in th United States under an immigrant-type visa may qualify as a resident o the state for purposes of registration in the University if he has live within the state for at least a period of twelve months next preceding th beginning of any quarter for which he registers at the University, subje to the provisions of rules 4 and 6.

8. Several factors will be considered in the determination of each ind vidual case. Among the factors to be considered will be (a) location o draft board registration, (b) voting address, if any, (c) the degree o self-support of the student, (d) location of summer or vacation emplo ment.

9. All cases of appeal shall first be referred to the Legal Counsel of th University. An appeal from the Legal Counsel shall be in accordance wi University statutes.[1]

[1] In the above regulations an adult student is considered to be a male at least 21 years of ag a female at least 18 years of age.

8 / Course Descriptions

HERE ARE LISTED all of the courses offered by the Edwardsville Campus or credit toward a bachelor's, master's, doctor's, or associate degree. Courses are listed numerically within each subject-matter area. Areas are listed below in the order of their appearance on the following pages.

Subject-Matter Areas

General Studies Area A
General Studies Area B
General Studies Area C
General Studies Area D
General Studies Area E
Accounting
Administrative Services
Aerospace Studies
American Studies
Anthropology
Art
Biology
Business Communications
Business Education
Chemistry
Colloquium
Comparative Literature
Counselor Education
Economics
Educational Administration
Elementary Education
Engineering
English
Experiment in Higher Education
Finance
Foreign Languages
  General Foreign Language
  French
  German
  Greek
  Italian
  Latin
  Russian
  Spanish
Romance Philology
General Business Administration
Geography
Government
Health Education
History
Honors Hours
Humanities
Instructional Materials
Journalism
Management Science
Marketing
Mathematics
Music
Nursing
Personnel and Industrial Relations
Philosophy
Physical Education
Physics
Production
Psychology
Quantitative Methods
Rehabilitation
Science and Technology
Secondary Education
Social Welfare
Sociology
Special Education
Speech
Speech Pathology and Audiology
Television-Radio
Theater
Child Care Services [1]

Explanation of Entries

The first entry for each course is a three-digit numeral which, together

[1] Courses count only toward the Associate in Arts degree.

with the subject area, serves to identify the course. The first digit ind cates that the course is for freshmen, sophomores, juniors, seniors, c graduate students only, depending on whether the digit is 1, 2, 3, 4, or respectively.

Following the identification number are a dash and another numbe which indicates the maximum credit allowed for the course. The maximu may be variable, such as History 410–2 to 5. Some courses do not term nate at the end of one quarter, as evidenced by two or more numerals i parentheses indicating the credit allowed for each quarter of particip tion in the course, such as GSC 370–9 (3,3,3). The bold face letters i parentheses correspond to the numerals in parentheses and are followe by a description of the material to be covered that quarter. Next is th title, followed by a description of the course. If certain requiremen must be satisfied before enrollment in a course, they are listed as pr requisites.

Not all of the courses described here are offered every quarter or eve every year. To find out when and where a course is to be offered, consu the Schedule of Classes, which may be obtained from Central Publication Southern Illinois University, Edwardsville, Illinois 62025. When reques ing a schedule, please specify *quarter* (fall, winter, spring, or summer

Man's Physical Environment and Biological Inheritance (GSA

101–8 (5,3) Introduction to Physical Science. (a) A study of the fund mentals of physics covering aspects of mechanics, electricity and magnetis optics and atomic physics. (c) A study of chemical principles and the atom structure of matter. Must be taken in a,c sequence. Prerequisite: satisfacto score on placement test or Mathematics 101.

110–8 (4,4) The Earth and Its Environment. A study of the earth, its maj domains and its space environment; student investigation of earth substanc processes and utilization of energy. An investigative approach for study of t observational and measurement techniques of the earth scientist. Lecture, la oratory, and individual study. Must be taken in a,b sequence. Prerequisite: o year of high school chemistry.

201–8 (4,4) Man's Biological Inheritance. Basic biological concepts are e plored at levels of integration ranging from the molecular to the ecosyste Topics include structure and function of cells and organisms, genetics, co tinuity of life, problems of populations, environmental control, evolutiona development, interrelationships between plants and animals. Must be tak in a,b sequence. Prerequisite: high school or college chemistry.

312–3 Conservation of Natural Resources. A study of man's use and misuse natural environment.

314–3 Man's Genetic Heritage. Principles of heredity as related to man, wi emphasis on the effects of environment on his biological inheritance.

320–3 Plants and Civilization. An examination of the role of plants in ma social and economic history and of the role of man in the modification a distribution of plants. Prerequisite: 201.

322–3 Introduction to Rocks and Minerals. Specifically designed to acquai the nonprofessional with the origin, distribution, character, and value of t common materials and rocks in the earth's crust. Prerequisite: 110.

328–3 Human Reproduction and Development. Descriptive aspects of hum reproduction and development; developmental anomalies; fertility; princip and practices of population control. Three lectures per week. Prerequisi GSA 201a,b.

330–3 Weather. A study of weather elements basic to understanding the varic atmospheric happenings, with application to agriculture, industry, recreatio resources, etc. May take only 330 or 331 for General Studies credit.

331–3 Climate. Description and interpretation of climatic regions and th influence on human activity. May take only 330 or 331 for General Stud credit.

0–3 Atomic Energy. A study of the energy needs, resources, and the promise atomic power. Fission and fusion reactions are considered and used to scribe the operation of nuclear reactors and the problems of controlled sion. The impact of atomic energy in research and technology.
2–3 Radiation and Life. A brief survey of the types, sources, and uses of diation; of the effects of radiation on biological systems including man; d of the impact of the use of radioisotopes on society. Prerequisite: 201b.
6–3 Astronomy. The solar system, nebulae, clusters, galaxies, theories of ellar evolution, and cosmology. Evening observations in addition to lecture.
1–3 Physics of Music and Acoustics. Nature, propagation, sources, and reptors of sound; acoustic phenomena; physics of musical instruments; mathematics of music; ears and hearing; physiology and psychology; transmission, orage, and reproduction.
3–6 (3,3) Philosophy of Science. (a) The logic of scientific explanation ustrated by analysis of physical concepts and theories. (b) The logic of planation in the biological and behavioral sciences and their implications for e individual and society. Should be taken in a,b sequence.
5–3 Human Origins. A consideration of the fossil record and basic principles human evolution. Prerequisite: 201a,b.

Man's Social Inheritance and Social Responsibilities (GSB)

1–8 (4,4) Survey of Western Tradition. (b) Political, economic, and cultral history of Europe from the Early Middle Ages to the end of the Napoleonic Age. (c) History of Europe from Congress of Vienna to the present.
3–8 (4,4) Sociology-Economics. An introduction to the great economists and ciologists and especially to those writers who are regarded as both. (a) A storical development of sociological ideas and introduction to such concepts social structure, role behavior, and social institutions. (b) A historical delopment of economic ideas and an introduction to economic concepts, instituns, and problems. Should be taken in a,b sequence.
5–8 (4,4) The Black Experience in American Life. A survey sequence to velop interest, understanding, and appreciation of black American culture d its African antecedents. Some factors leading to the current black social otest.
1–8 (4,4) The Individual and His Cultural Environment. A study of human havior in the light of cultural and psychological processes. (a) Anthropolo: An examination of the biological and cultural origins of mankind; cultural versity and human behavior; characteristic features of tribal societies, includg economy, social organization, language, art, religion, and political organizan; place of non-industrialized societies in the modern world. (c) Psycholo: Surveys modern psychological approaches to individual behavior; includes sic developmental processes such as learning and motivation plus a study of rsonality and related adjustment problems. Prerequisite: 101 or 103.
3–8 (4,4) American Politics in the World Environment. (a) The theory, ganization, and operation of American government. (b) Analysis and interetation of human geographic patterns; world population, settlement, ecomic activities. Meets State Constitution requirements.
0–9 (3,3,3) History of the United States. A general survey of the political, cial, and economic development of the United States. (a) 1492 to 1815, (b) 15 to 1900, (c) 1900 to the present.
1–3 Economic Development of the United States. Emphasizes the underlyg trends and forces of change that have led to our present economic structe, level of performance, and world position. Prerequisite: 101c or 103b.
2–3 Comparative Economic Systems. A comparative study of the goals, structe, and operation of the major economic systems, such as capitalism, socialn, and fascism. Emphasis upon basic systems of organization and control, d upon mixed economies.
3–6 (3,3) American State and Local Government. (a) State. An examinan of the role of the states in the federal system and a survey of the vernmental processes within the fifty states. (b) Local. A survey of the ucture, functions, and problems of the counties, municipalities, towns, vnships, and special districts in the United States. Prerequisite: 203a.
1–3 The American Educational Systems. A critical and problematic study education as a major social enterprise of a free society in its context of

international involvements. The formative influences upon the Ameri educational systems, its basic characteristics, difficulties and prospects explored through the disciplines comprising the intellectual-cultural foun tions of education. Designed for all students irrespective of major discipline professional pursuit.

341–3 Marriage. An examination of marriage in various societies with an phasis on the origins, changes, and present status of dating, courtship, marriage in the United States.

351–6 (3,3) Geographic and Cultural Background of Developing Africa. The relation of geography to the culture of Africa, with emphasis on the pl cultural and geographic factors have in the developing nations of Africa. An introduction to the many diverse cultures of Africa from the Egypt civilization to the Bushman hunters. May be taken separately.

354–3 Industrial Economic Geography. Geographic resource relationship the economic life of our nation, distribution of resources, industrial product and the transportation of industrial products.

366–3 Growth of Old World Civilization. Cultural origins and dispersals f Paleolithic to Protohistoric times with particular attention to the comp environmental and cultural factors that led to the rise of early Old W civilizations.

369–3 The Contemporary Far East. An interpretative survey of the probl of the Far East—political, economic, social, and psychological—from W War II to the present.

380–6 (3,3) East Europe: Cultural Heritage and Present Institutions. Cultural Heritage, (b) Present Institutions. An introduction to the Europ area east of the iron curtain with attention evenly divided among Russia, Balkans, and Northern East Europe.

382–6 (3,3) History of Great Britain Since 1782. The evolution of indust democracy in Great Britain from the beginning of the Industrial Revolut

388–3 Communism. A critical examination of various modern theories communism, with special emphasis on Karl Marx. Prerequisite: Comple of GSB second-level requirements.

Man's Insights and Appreciations (GSC)

151–3 Introduction to Poetry. Introduction to the enjoyment of poetry. P tice in techniques of critical reading and writing. Prerequisite: GSD 101a,

155–5 Introduction to Art. Basic introduction to the visual arts, particul painting, sculpture, and architecture. The primary objective is to culti skill and discrimination in seeing and understanding works of art from m periods.

156–5 Introduction to Music History-Literature. An introduction to the ments of music, and to the important composers, periods, styles, and form music.

157–5 The Dramatic Media: Theater, Cinema, and Television. A study dramatic media, theater, television, and film with emphasis on the roles techniques of artists and craftsmen involved. Required theater attendance television and film viewing. Appropriate research activity.

158–5 The Fine Arts. An introduction to the principal branches of fine visual art, music, and literature. The relationships that bind them toget Due attention is given to the distinguishing attributes of each.

252–4 Logic. Study and practice in the analysis of verbal traps, relations tween statements, deductive arguments, and inductive inferences. Prerequi sophomore standing or completion of first-level GSC.

253–4 Literary Masterpieces of Antiquity. Reading and discussion of sele literary texts from Classical and Hebraic Antiquity. Prerequisite: 151.

254–4 Philosophical Materpieces. Reading and discussion of selected ph sophic masterpieces of western civilization. Prerequisite: 151.

313–3 Folklore. The types of folklore, with extensive readings in Amer and European folklore: practice in collecting and classifying, and in the of Thompson's index, etc. Prerequisite: completion of second-level GSC quirements.

315–3 Studies in Biography. Reading, discussion, and reviews of various f of biographical work. Some individual work in the student's area of con tration. Prerequisite: completion of second-level GSC requirements.

225–3 Afro-American Literature. Reading and discussion of selected literary texts by major Afro-American authors from Frederick Douglass to the present. Prerequisite: completion of second-level GSC requirements.

233–3 The Bible as Literature. The Bible in English translation considered as literature. Prerequisite: completion of second-level GSC requirements.

235–3 Studies in Short Fiction. The development of the short story as an artistic expression, its techniques, and its versatility, from the early 19th century to the present. Prerequisite: completion of second-level GSC.

236–3 Studies in the Novel. A study of the novel, emphasizing the technique of the novelist and his concern with continuing human problems. Prerequisite: completion of second-level GSC requirements.

237–3 The English Language Heritage. A survey of the resources of the English language with emphasis upon the processes of change in vocabulary, meaning, and linguistic pattern. Prerequisite: completion of second-level GSC.

239–3 Classical Mythology and Its Influence. The major myths: their nature, origin, interpretations, influence, relevance, and use in the modern world. Prerequisite: completion of second-level GSC requirements.

240–3 Modern Art A: The Art of the 19th Century. The principal movements of the 19th century: neo-classicism, romanticism, realism, impressionism, and post-impressionism. The styles of David, Ingres, Delacroix, Corot, Courbet, Manet, Degas, Monet, Renoir, Seurat, Van Gogh, and Gaugin are emphasized.

241–3 Modern Art B: Art of the Early 20th Century 1890–1925. A study of modern art as manifest in Fauvism, cubism, and expressionism. Emphasis on the artistic development of Cezanne, Matisse, Rouault, Picasso, Braque, Gris, Leger, Kirchner, and Kandinsky.

242–3 Modern Art C: Art of the Mid 20th Century 1920–1945. Abstraction, later German expressionism, the school of Paris, and surrealism. Special attention to the work of de Chirico, Klee, Miro, Beckman, Chagall, Kokashka, Rouault, and late Matisse, Picasso, Braque, and Leger.

245–6 (3,3) Masterpieces of World Literature. A study of the representative works of the varying cultures and eras: **(b)** medieval, renaissance and 18th century, **(c)** romantic, Victorian, and modern periods. Prerequisite: completion of second-level GSC requirements.

254–9 (3,3,3) History of the Theater. Drama, performance, architecture, design, and cultural environment of: **(a)** Primitive, Greek, Roman, Hindu, and Medieval; **(b)** the Renaissance, the 17th and 18th centuries in Europe, Japan, and China; **(c)** the modern theater in Europe, the United States, Africa, and Latin America. May elect any one or more quarters in any sequence.

257–3 History of Music Literature. Development of choral and instrumental music from the Renaissance to the present.

258–3 Jazz. Jazz forms and styles: development, illustrations, performances.

260–6 (3,3) Arts and Ideals in Famous Cities. A presentation of the chief art styles and aesthetic ideals of Western culture as they flowered in seven famous cities. A close study of selected masterworks of architecture, fine art, music, literature, and philosophy of art as expressions of men who shaped the physical places and cultural lives of their cities. **(a)** 5th century B.C. Athens, 13th century Chartres, late 15th century Florence, and early 16th century Rome. **(b)** 18th century London, 19th century Paris, 20th century New York. Prerequisite: junior standing or completion of second-level GSC requirements.

263–6 (3,3) Philosophies of Science. **(a)** The logic of scientific explanation illustrated by analysis of physical concepts and theories. **(b)** The logic of explanation in the biological and behavioral sciences and their implications for the individual and society. Should be taken in a,b sequence. Prerequisite: junior standing or completion of second-level GSC requirements.

270–9 (3,3,3) American Art. A study of the visual arts in the United States. While the emphasis is upon architecture, painting, and sculpture in the context of American social and cultural evolution, the minor arts also are placed in perspective. May be taken in any sequence.

275–3 Ethics. An investigation of the basic problems related to deciding how men ought to act and of modern discussions of individual and social morality. Prerequisite: junior standing or completion of second-level GSC requirements.

290–3 Existentialism. A critical examination of existentialism as a contemporary perspective on life and reality. Prerequisite: 254 or Philosophy 200.

291–3 Pragmatism. A critical examination of pragmatism as a contemporary perspective on life, reality, and American culture. Prerequisite: 254 or Philosophy 200.

Organization and Communication of Ideas (GSD)

100–1 Study Skills. Techniques and opportunities to improve the basic learni skills of the motivated student. Reading improvement, effective listening, a general study skills as they apply to note-taking, studying for examinatio budgeting of time, and use of the library.
101–6 (3,3) English Composition. Basic rhetorical principles in exposito writing. Must be taken in a,b sequence.
103–3 Oral Communication of Ideas. The basic principles and techniques oral communication as applied to everyday speech activities.
112–9 (4,5) Introduction to Mathematics. A study of logical rules of deductio the real number system, and mathematical structures. Prerequisite: one ye of high school algebra and satisfactory score on A.C.T. An alternative cour for 114–9. Must be taken in a,b sequence.
114–9 (5,4) College Algebra, and Trigonometry. A logical study of the alg braic properties of number systems, polynomials, equations, functions, matrice exponential and logarithmic functions, trigometric function. **(a)** principal algebra. **(c)** principally trigonometry. An alternative course for 112–9. Must taken in a,c sequence. Prerequisite: one and one-half years high school algeb and one year high school geometry, or equivalent.
114d–4 Statistics. Descriptive statistics, probability distributions, samplin statistical inference, regression and correlation. An alternative course for 114 Prerequisite: 114a.
123–9 (3,3,3) Elementary French. Open to students who have had no previo work in French. Must be taken in a,b,c sequence.
126–9 (3,3,3) Elementary German. Open to students who have had no previo work in German. Must be taken in a,b,c sequence.
136–9 (3,3,3) Elementary Russian. No previous knowledge of Russian r quired. Must be taken in a,b,c sequence.
140–9 (3,3,3) Elementary Spanish. Open to students who have had no previo work in Spanish. Must be taken in a,b,c sequence.
144–9 (3,3,3) Elementary Italian. Open to students who have had no previo work in Italian. Must be taken in a,b,c sequence.

Health and Physical Development (GSE)

Courses numbered 102–104 are for men; 112–114 are for women; 115–118 a for both men and women.

102–1 Physical Fitness (Men).
104–(1 per activity) Individual and Team Activity (Men). (c) Basketba **(f)** Soccer, **(g)** Speedball, **(j)** Softball, **(n)** Cross Country, **(t)** Tou Football, **(u)** Wrestling, **(x)** Handball.
112–1 Basic Body Movement (Women).
114–(1 per activity) Individual and Team Activity (Women). (c) Basketba **(f)** Soccer, **(g)** Speedball, **(j)** Softball, **(n)** Field Hockey, **(o)** Physic Conditioning.
115–3 (1,1,1) Restricted Physical Education.
116d–1 Life Saving and Water Safety. Theory and practice of techniques i volved in water safety. Personal safety and rescue methods for use in, on, a about the water. Leads to American Red Cross Senior Life Saving Certifica Prerequisites: proficiency test, preliminary swimming.
116–(1 per activity) Swimming. (a) Beginning Swimming, **(b)** Intermedia Swimming, **(c)** Diving.
117–(1 per activity) Dance. (a) Square, **(b)** Folk, **(c)** Social, **(d)** Beginni Contemporary, **(e)** Intermediate Contemporary, **(f)** Basic Rhythms.
118–(1 per activity) Individual and Team Activity. (a) Archery, **(b)** Ba minton, **(d)** Bowling, **(e)** Golf, **(f)** Billiards, **(h)** Tennis, **(i)** Volleyball, Horseback Riding, **(l)** Sailing, **(m)** Fencing, **(o)** Boating and Canoeing, **(p)** I Skating, **(q)** Fly and Bait Casting, **(r)** Stunts and Tumbling, **(s)** Gymna tics, **(w)** Track and Field, **(y)** Judo, **(z)** Recreational Sports.
201–3 Healthful Living. Personal and community health. Presents scienti health information as a basis for developing wholesome health attitudes a practices.

Accounting

0–4 Accounting Principles. Study of the basic accounting principles, con-pts, conventions, and standards; their application to the analysis and record-g of business transactions; and the reporting of the accumulated results. easurement of income, and matching of expense with revenues through the e of the accrual basis in the accounting system. Prerequisite: sophomore nding.

1–4 Financial Accounting Analysis. Introduction to valuation concepts of sets, liabilities, and ownership equities; control of cash, valuation of receiv-les, inventory valuations and price level changes, fixed asset valuation of ceivables, inventory valuations and price level changes, fixed asset valuation d depreciation policy, equity accounting and concepts, bonds, partnerships, d corporations; basics in financial statement analysis—use of ratios and their terrelationship with other factors; funds and cash flow concepts. Prerequisite: 0.

1–1 to 6 Accounting Readings.

0–4 Managerial Cost and Budgeting. Control concepts, essentials of job der and process costing; budgets and budgeting for planning and control, ndards and flexible budgets and use of "exception" principle through riance analysis; control of fixed costs, relevant cost analysis for managerial cision making, capital planning. Prerequisite: 231.

1–4 Principles of Income Taxation. Study of the Federal Income Tax laws they affect individuals, partnerships, corporations, estates, and trusts, in termination of the taxable income for computing the tax liability due. Pre-quisite: 231.

1–4 Cost Accounting Principles. Comprehensive study of job order and proc-s cost systems, related joint and by-product costing, and estimated cost pro-dures. Prerequisite: 231.

1a–4 Accounting Theory and Problems I. Comprehensive study of the asset counts, their valuation, presentation, and preservation. Prerequisite: 231.

1b–4 Accounting Theory and Problems II. Comprehensive study of the uity accounts, their valuation, presentation, etc. Prerequisite: 351a.

2–4 Accounting Problems in Federal Taxation. Income tax problems of part-rships, corporations, estates, and trusts; brief study of social security, federal tate, and gift taxes; solving of complicated tax problems by research in source aterials. Prerequisites: 331, consent of instructor and faculty chairman.

9–1 to 4 Independent Study in Accounting. An investigation of topical areas greater depth than regularly titled courses permit. Individual or small group adings and projects. For qualified seniors. Prerequisite: consent of instructor d faculty chairman.

2–4 Advanced Cost Accounting. Comprehensive study of budgeting concepts, ndard costing and analysis of variances, decision making with alternatives, nning of capital acquisitions, direct costing, relevant cost concepts, and tribution cost problems. Prerequisite: 341.

3–4 Advanced Acounting Problems. Comprehensive study of problems in nsolidation of financial statements, partnerships dissolution and liquidation, nsignment, installment sales, and other advanced accounting topics. Pre-quisite: 351b.

6–4 Auditing. Study of the concepts, principles, and practices of auditing, cluding ethics, professional standards, internal control, preparation of audit rking papers, audit reports, and related services. Prerequisites: 351b, 442.

8–4 Accounting Systems.

1–4 Advanced CPA Problems.

0–4 Conceptual Framework of Accounting.

3–4 Managerial Accounting.

8–4 Seminar in Accounting.

Administrative Services

0–4 Introduction to Data Processing. An introduction to the principles un-rlying unit record equipment, information theory, electronic data processing plications, and management systems. Includes applications to demonstrate stems, concepts, and computer capabilities through the use of equipment.

301–4 Computer Programming. A comparative study of stored program con cepts, binary coding principles, machine language and symbolic coding; defini tion of problem and preparation of flow charts and block diagrams. Wor involves practice problems requiring the preparation of flow charts, bloc diagrams, coding, preparation of source programs, and test running on com puter equipment. Prerequisite: 300.

Aerospace Studies

300–3 Corps Training. Provides a supervised training laboratory in support o and mandatory when enrolled in 301, 302, and 303. Instruction is conducte within the framework of a cadet corps, organized and operated by cadets i 300 and 340, with a progression of experience designed to develop each stu dent's leadership potential at the junior level. Emphasis is placed on Air Forc customs and courtesies, drill and ceremonies, career opportunities in the Ai Force, and the life and work of an Air Force junior officer.
301–3, 302–3, 303–3 Professional Officer Course. A study of the growth and de velopment of aerospace power, the United States Air Force, astronautics an space operations, and the projected development of aerospace power. Involve specific exercise of each student's written and oral communication skill. Pre requisite: satisfactory completion of the GMC or the six-week field trainin course.
340–0 Corps Training. Provides a supervised training laboratory in support o and mandatory when enrolled in 351, 352, and 353. Instruction is conducte within the framework of a cadet corps, organized and operated by cadets i 300 and 340, with a progression of experience designed to develop each stu dent's leadership potential at the senior level. Emphasis is placed on Air Forc customs and courtesies, drill and ceremonies, career opportunities in the Ai Force, and the life and work of an Air Force junior officer.
350–2 Flight Regulation and Navigation. A study of flight regulations, weathe and navigation. Four hours lecture, demonstration-performance. Prerequisite enrollment in AFROTC Flight Instruction Program or consent of PAS.
351, 352, 353 Professional Officer Course. A study of military leadership, pro fessionalism as it relates to the Air Force, the military justice system, and th theory and practice of management principles and functions with special refe ence to the Air Force and the junior officer. Participation in problem-situatio and oral and written student assignments. Prerequisites: 301, 302, 303, or cor sent of the PAS.

American Studies

398–4 Seminar in American Studies. A study of American culture with a vie towards crossing the boundaries of traditional disciplines. Prerequisite: senio standing.

Anthropology

GSB 201a–4 The Individual and His Cultural Environment.
305–9 (3,3,3) Peoples and Cultures of the World I. The biological an cultural history of man in (a) North America, (b) Asia, and (c) Oceani from early times to the present.
GSB 351b–3 Cultural Background of Developing Africa.
GSA 365–3 Human Origins.
GSB 366–3 Growth of Old World Civilization.
367–3 Growth of New World Civilization. Beginnings and rise of culture-cer ters in the New World, with special attention on Mexico, Yucatan, and Ar dean developments; ecological and cultural factors conditioning the rise regional and inter-regional cultural manifestations.
400–4 Man and Culture. The nature of culture and cultural process. Relatio ships of culture and man as an individual and as a group. Emphasis on th anthropological point of view.
404–4 Primitive Art and Technology. The development of man as a tool-usin and art-loving being. Artistic and technological traditions of non-Weste peoples, past and present.

–4 Social Anthropology. A comparative approach to the organizational tures of human groups. Functional aspects and distributions of kinship, itical, religious, and economic systems.

–4 History of Anthropological Thought. The growth of anthropology to ut 1860, followed by a more intensive survey of the concepts and ideas of hropology during the past hundred years.

–4 Anthropology and Modern Life. The applications of anthropological nciples to the solution of problems of the modern world. Contributions of hropology to the work of the educator, social worker, administrator, busiss man, government official, and other specialists dealing with man in stern and non-Western cultures.

–4 Culture Change. Examination of long and short range culture change, ulturation process and innovation, theory and method in study of culture ange.

–4 Culture and Personality. A cross-cultural comparison and survey of rsonality in relation to cultural differences found in the "folk societies" h emphasis on the socialization and enculturation of the child; group iants in personality and measurement of their cultural correlates. Prequisite: junior standing or consent of instructor.

–4 Archaeology of North America. An introduction to the methods of haeology and a survey of prehistoric Indian cultures north of Mexico, with rticular emphasis upon the cultures of the Mississippi Valley.

–4 Archaeology of the Midwest. A survey of prehistoric cultural developnts in the Mississippi River drainage, with emphasis on events leading to climax of the Mississippian culture at Cahokia; contributions to archaeoical theory; field trips to local archaeological sites. Prerequisite: 330 or nsent of instructor.

–4 Political Anthropology. Cross-cultural comparison of political systems h emphasis on non-European peoples; functional relations between politics d society; the growth of political complexity; and systems of authority and dership. Prerequisites: junior standing, consent of instructor.

–4 Indians of the Plains: Prehistory, Ethnohistory, and Culture. An adnced introduction to dynamic changes which produced the Plains Indian lture-Area, including the acculturative history of Plains Indians after ntact with Europeans. Prehistoric antecedents of the historic tribes; basic tures of Plains Indian culture, with subareal variations; and ethnohistory d acculturation in the wake of the advancing frontier. Prerequisites: junior nding, consent of instructor.

–3 to 18 Individual Study in Anthropology. Guided research upon anthrological problems. Should consult chairman before enrolling.

–9 (3,3,3) Pro-seminar in Social Anthropology.

–8 (4,4) Pro-seminar in Cultural Anthropology.

–3 to 12 Advanced Readings in Anthropology.

Art

t Education Courses: 300, 365, 408, 466, 560, 566.
t History Courses: 225, 345, 347, 349, 369, 483, 571.
udio Courses: 100, 202, 305, 310, 312, 325, 358, 393, 401, 405, 406, 410, 416, 0, 426, 441, 501, 502, 511, 520.

–3 Avocational Painting. An exploration of painting and drawing media for interested non-major. Emphasis upon individual development of undernding and appreciation of painting media through direct experience in the actice of painting. May be repeated. Three hours credit applicable to dee except in art and design and teacher education.

–3 Avocational Ceramics. An exploration of the ceramics arts for the interested non-major. Emphasis upon individual development of understanding d appreciation of pottery media through direct experience in the practice the craft. May be repeated. Three hours credit applicable to degree ext in art and design and teacher education.

–15 (5,5,5) Basic Studio. (a) Drawing. Introduction to the various apoaches to drawing and composition, utilizing a variety of media and techques. (b) Color and Design. Introduction to and exploration of various color stems and their application related to two-dimensional problem solving, stressg the plastic art elements in pure design. (c) Figure Drawing. A study of the

human figure with special emphasis toward developing visual perception ar understanding of anatomy using a variety of media. Need not be taken sequence. May take one section only a quarter.

202–21 (3,3,3,3,3,3,3) Intermediate Studio. (a) Sculpture. A study in form ar design. (b) Printmaking. Introduction to fundamental printmaking techniqu in relief and intaglio methods and multiple color printing. (c) Ceramics. Intr duction to handbuilding with clay and to simple techniques and technology glazing and firing. (d) Painting. Introduction to and exploration of oils as medium of expression. (e) Drawing. Exploration of various approaches to dra ing and composition including some figure work. (f) Design. Problem solvi relative to two-dimensional visual design, exploring a variety of tools and med stressing the organization and structure of creative design. (g) Watercolc Introduction to and exploration of tools and media and their application. Ne not be taken in sequence. Prerequisite: 100–15.

225–9 (3,3,3) History of World Art. A study of painting, sculpture, and arch tecture from prehistoric to modern times. Emphasis is placed upon the maj periods and great styles in relation to their geographical and social bac grounds. Open to all students. (a) The art and architecture of ancient and cla sical man. (b) Art of the medieval epoch. (c) Art from the Renaissance to tl present.

300–12 (4,4,4) Art Education. Theory and practice of art activities in tl elementary schools with attention to teaching methodology. Designed f elementary education concentrations. Must be taken in a,b,c sequence. Pr requisite: junior or senior standing.

305–12 (4,4,4) Ceramics. Intensive study of ceramics as an art form. Must l taken in a,b,c sequence. Prerequisite: 202–9, including 202c.

310–12 (4,4,4) Painting. Intensive study of painting as a medium of expre sion. Individual rather than group problems are engaged. Prerequisite: 202- including 202d.

312a–4 Advertising and Graphic Design. Deals with the basic tools of tl advertising designer. Introduction to styles of type, lettering techniques, layo problems, and reproduction processes for advertisements and illustrations papers, magazines, posters, television, and pamphlets. Creative exercises designing with type and illustrations. Prerequisite: 202–9, including 202f.

312b–4 Advertising and Graphic Design II. Introduction to the problems the advertising designer, with special emphasis on typography. Includes typ setting, proof printing, engraving, and lithographic processes. Application the principles of design to a variety of contemporary projects, with profession standards and performances exacted. Creative and technical class work supplemented by field trips to printing firms and advertising design studic Prerequisite: 312a.

325–12 (4,4,4) Studio. No more than 4 hours per quarter. Prerequisites: hours in medium of choice (except where such courses do not exist) and co sent of instructor.

345–3 Art of the Nineteenth Century. The meaning and varieties of art fro the time of the French Revolution until late Impressionist art of the 19 century. Relations to the social environment are interpreted.

347–9 (3,3,3) Ancient Art. An interpretation of painting, sculpture, and arch tecture from prehistoric times through the ancient Egyptian, Mesopotamia Greek, and Roman civilizations, presented with consideration of the gener cultural settings of the peoples involved.

349–9 (3,3,3) Renaissance and Baroque Art. Architecture, sculpture, and pain ing from the waning of the middle ages to the beginnings of modern mov ments in the 18th century. (a) The Renaissance in northern Europe. (b) Tl Renaissance in Italy and the south. (c) Mannerism, Baroque, and Rococo ar May be taken independently. Recommended preparation, but not prerequisit 225.

358–12 (4,4,4) Prints. Introduction to printmaking as a medium. Stud projects in intaglio, relief, and planographic processes. Prerequisite: 202- including 202b.

365–4 Art Education in the Secondary Schools. For art education studen preparing to teach at secondary level; includes studio projects designed develop awareness of technical and aesthetic needs of high school studen reading and discussion of literature, planning of curriculum. Fall quarter onl

369–3 Primitive Art. A study of the arts of "primitive" peoples of Africa, tl Pacific, and the Americas. Characteristic works are interpreted in conte

th the general conditions of primitive society. The significant influences of imitive art on modern painting and sculpture.
3–12 (4,4,4) Sculpture. Problems in modeling, carving, casting, and construc-)n. Prerequisite: 202–9, including 202a.
1–2 to 12 Research in Painting. Prerequisite: 310–12.
5–2 to 12 Studio in Sculpture. Prerequisite: 393–12.
6–2 to 12 Studio in Painting. Prerequisite: 310–12.
8–4 Art Education for Elementary Teachers II.
0–2 to 12 Research in Prints. Prerequisite: 358–12.
6–2 to 12 Studio in Prints. Prerequisite: 358–12.
0–2 to 12 Research in Pottery. Prerequisite: 305–12.
6–2 to 12 Studio in Pottery. Prerequisite: 305–12.
1–9 (3,3,3) Studio in Drawing. Studio in Drawing. Prerequisites: 12 hours 0-level art, junior or senior standing.
0–2 to 12 Research in Art Education.
6–2 to 12 Studio in Art Education.
3–3 to 12 Research in Art History.
1–2 to 12 Graduate Painting.
2–2 to 12 Graduate Sculpture.
1–2 to 12 Graduate Printmaking.
0–2 to 12 Graduate Ceramics.
0–2 to 12 Seminar in Art Education.
6–2 to 12 Research in Art Education.
1–2 to 5 Readings in Art History.
9–5 to 9 Thesis.

Biology

SA 201–8 (4,4) Man's Biological Inheritance.
0–4 Bacteriology. A treatment of cytology; theories and techniques of staining; physiology and classification of microorganisms; and their medical relaonships. Two lecture and four laboratory hours per week. Prerequisite: SA 201a.
1–12 (4,4,4) Concepts at the Cellular Level. (a,b) Cell Structure and Funcn. Structure, organization, and function of cells, organelles, and macromoleles. Three lecture and three laboratory hours per week. (c) Developmental ology. Morphogenesis, differentiation, growth, and regeneration in plants and imals. Three lecture and three laboratory hours per week. Must be taken a,b,c sequence. Prerequisites: GSA 201a,b and Chemistry 305b or 341c.
2–20 (5,5,5,5) Concepts at the Organism Level. The form, function, classificaon, and phylogeny of organisms. (a) Animal life. Sponges through mammals. wo lecture and six laboratory hours per week. (b) The lower organisms. ruses, bacteria, algae, molds, and protozoa. Three lecture and six laboratory urs per week. (c) Plant life. Bryophytes through flowering plants. Three cture and four laboratory hours per week. Prerequisite for a,b,c: GSA 201a,b. d) Physiology. Function and regulation in plants and animals. Four lecture id three laboratory hours per week. Prerequisites for d: 302a,c and Chemistry 5a.
3–11 (4,3,4) Concepts at the Population Level. (a) Genetics. Mechanism inheritance, gene action, and the origin of genetic diversity. Three lecture id two laboratory hours per week. (b) Evolution. Evolutionary change inuding population genetics, ecological factors, selection, and speciation. Three cture hours per week. (c) Ecology. Life and the environment; energy relaonships and succession. Three lecture and three laboratory hours per week. aturday field trips required. Must be taken in a,b,c sequence. Prerequisite: SA 201a,b.
0a–4 Human Anatomy and Physiology. A survey of the structure and funcon of the principle systems of the human body. Four lecture hours per eek. No credit toward a secondary concentration in biology. Prerequisite: SA 201a.
0b–2 Human Anatomy and Physiology. To be taken concurrently with 0a. Four laboratory hours per week. No credit toward a secondary concenation in biology. Prerequisite: concurrent enrollment in 310a.
SA 314–3 Man's Genetic Heritage.
SA 320–3 Plants and Civilization.

GSA 328–3 Human Reproduction and Development.
390–0 to 1 (0,0,1) Undergraduate Biology Seminar. Presentations by faculty visiting investigators, and students. Students give one seminar per year. May be repeated. Prerequisite: junior or senior standing.
405–4 Physiological Chemistry. The relationship between the structure and function of molecules of biological importance. Protein structure and enzyme function and nucleic acid structure and protein synthesis. Control of the metabolism of carbohydrates, lipids, and amino acids. Four lectures per week. Prerequisite: 301a.
406a–3 Cell Organelles and Inclusions. The function, structure, and formation of selected organelles and inclusions of eucaryotic cells. Current literature is covered in some detail and discussion sessions are held. Three hours lecture per week. Prerequisite: 301a, 301b, or biochemistry.
406b–1 Readings in Cell Organelles and Inclusions. Covering of current literature in a given topic. Presentation of a term paper covering this material. Prerequisites: consent of instructor, concurrent enrollment in 406a.
406c–1 Laboratory in Cell Organelles and Inclusions. Experiments studying cell organelles and inclusions. Three hours laboratory per week. Prerequisites: consent of instructor, concurrent enrollment in 406a.
407–4 Electron Microscopy. An introduction to the principles of electron microscopy technique and the use and operation of the major instruments. Two lecture and two laboratory hours per week. Prerequisites: 301a or 302b, consent of instructor.
410–4 Advanced Genetics. A study of quantitative inheritance, chromosomal evolution and organization, the regulation of gene action, and radiation genetics. Three lectures and one laboratory per week. Prerequisites: 303a, GSL 114d.
415–4 Experimental Embryology. A survey of the literature from the beginning of experimental embryology; the laboratory includes classical and modern techniques. Two lectures and two laboratories per week. Limited to ten students. Prerequisite: 301c.
420–4 Plant Synecology. The structure, development, and causative factors in the distribution of plant communities. Field techniques for quantitative measurements and interpretations of successful dynamics. Three lectures, one laboratory per week. Saturday field trips required. Prerequisite: 303c.
423–4 Principles of Parasitism. Principles dealing with parasitic relationships. Includes study of types of association, morphologic and physiologic adaptations of parasites, defensive mechanisms, immunity, and specificity. Selected examples from the plants and animals are used to illustrate the general principles and life histories. Two lectures and two laboratories per week. Prerequisite: 302a,b,c.
430–4 Environmental Microbiology. An examination of the ecological interrelation between microbes and animal and plant life, and the interaction of microorganisms with our terrestrial and aquatic environment. Three lectures and one laboratory per week. Prerequisite: 302b.
435–4 Ethology. A survey of animal interactions and the response of animals to environmental stimuli. Three lectures and one laboratory per week. Prerequisite: 302a.
441–3 Mammalian Physiology. Nervous and endocrine coordinating processes, sensory function, circulation, respiration, alimentation, and regulation of body fluids, with special reference to man. Three lecture hours per week. No graduate credit. Prerequisites: organic chemistry and 302d or 310.
442–1 Mammalian Physiology Laboratory. Selected experiments with mammals including man. One three-hour laboratory per week. No graduate credit. Prerequisite: concurrent enrollment in 441.
444–4 Integrative Physiology. Mechanisms of response and integration with emphasis on the role of the nervous systems. Three lectures and one laboratory per week. Prerequisites: 301a, 302a.
445–4 Endocrinology. A survey of the endocrine organs in chordates, higher invertebrates, and plants with major emphasis on roles of endocrine glands and their hormonal secretions in mechanisms of response, integration, control systems metabolism, and genetic relationships. Three lectures and one laboratory per week. Prerequisite: 301b, 302d or concurrent enrollment.
447–4 Topics in Plant Physiology. Photosynthesis, mineral nutrition of plants, water regime, growth and movement of plants. Two lectures and two laboratories per week. Prerequisites: 302c, Chemistry 125b.

5–4 **Plant Anatomy.** Developmental and comparative studies of seed plants cluding structure of vegetative and reproductive parts and embryology. Three ctures and one laboratory per week. Prerequisite: 302c.
8–5 **Functional Morphology of Vertebrates.** The phylogenetic approach to mparative form, function, and development of vertebrate organisms. Two ctures and three laboratories per week. Prerequisite: 302a.
0–4 **Field Botany.** Taxonomy, natural history, and distribution of local ants. Two lectures and two laboratories per week. Field trips cost $10–$25 r student. Prerequisite: 302c.
0–4 **Field Zoology.** Taxonomy, natural history, and distribution of local imals. Two lectures and two laboratories per week. Field trips cost $10–$25 r student. Prerequisite: 302a.
5–4 **Ichthyology.** Relationships, ecology, behavior, physiology, and anatomy fishes. Field study of local fauna is stressed. Two lectures and two laboraries per week. Saturday field trips required. Prerequisite: 302a or consent instructor.
6–4 **Herpetology.** A study of amphibians and reptiles, their evolution, relanships, morphology, and behavior. Two lectures and two laboratories per eek. Saturday field trips required. Prerequisite: 302a,c or consent of instructr.
8–4 **Mammalogy.** Taxonomy, natural history, and evolution of mammals. wo lectures and two laboratories per week. Prerequisite: 302a.
3–2 to 8 **Research in Biology.** Research on biological problems. No credit ward a secondary concentration in biology. Prerequisites: senior standing nd consent of faculty.
7–2 to 8 **Biology Field Studies.** A trip of four to eight weeks to acquaint udents with animals or plants in various environments and/or with methods field study, collection, and preservation. Arrangements made in advance term; travel costs borne by the student. No credit toward a secondary conntration in biology. Prerequisite: consent of faculty.
4–9 (3,3,3) **Instructional Innovation in Secondary School Biology.**
6–4 **Cellular Regulation.**
1–4 **Population Genetics.**
2–4 **Cytogenetics.**
1–4 **Limnology.**
2–3 **Zoogeography.**
3–3 **Plant Geography.**
5–3 **Physiology of Sense Organs.**
7–3 **Mineral Nutrition of Plants.**
3–4 **Morphology of the Spermatophytes.**
0–4 **Advanced Invertebrates.**
1–4 **Helminthology.**
0–0.4 **Graduate Biology Seminar.**
1–1 to 4 **Readings in Biology.**
3–1 to 4 **Special Problems in Biology.**
9–2 to 9 **Research and Thesis.**

Business Communications

0–4 **Business Communications.** Designed to improve understanding of the tal role of effective communication in business and to develop skill in busiss writing with emphasis on the preparation of reports. Provides an opportnity to learn effective use of a business library; to collect and interpret data; present information in a logically organized and acceptable form. Prerequites: GSD 101b, concurrent registration in General Business Administran 340.

Business Education

1–9 (3,3,3) **Typewriting.** Mastery of the keyboard, speed and accuracy in the uch operation of the typewriter, and skill and knowledge needed for vocanal and personal uses. (a) Prerequisite: may not be taken for credit by udents who have had previous high school or other formal instruction in pewriting. (b) Prerequisite: 201a or one semester of other formal instruc-

tion in typewriting and the ability to type at least 30 words per minute. (c Prerequisite: 201b or two semesters of other formal instruction in typewritin and the ability to type at least 40 words per minute and to prepare simpl business correspondence, tables, manuscripts, and forms.

221–12 (4,4,4) Shorthand and Transcription. Study of Gregg shorthand theor and the development of skill and knowledge required for dictation and tran scription. (a) Prerequisite: may not be taken for credit by students who hav had previous high school or other formal instruction in shorthand. (b) Pre requisite: 221a or one semester of other formal instruction in shorthand-tran scription. (c) Prerequisites: 221b or two semesters of other formal instructio in shorthand-transcription and the ability to take new-matter dictation at 6 words per minute for three minutes.

241–2 Duplicating.

304–3 Advanced Typewriting. Development of advanced skills in typing busi ness correspondence, manuscripts, forms, and tables; preparation of copy fron rough draft materials. Prerequisites: 201c or three semesters of other forma instruction in typewriting and the ability to type at least 50 words per minut and to prepare business correspondence, tables, and manuscripts.

324a–4 Advanced Shorthand and Transcription I. The development of high level dictation and transcription skill and knowledge. Prerequisites: 221c o three semesters of other formal instruction in shorthand-transcription and th ability to transcribe on the typewriter new-matter dictation taken at a sus tained rate of 80 words per minute.

324b–4 Advanced Shorthand and Transcription II. A continuation of 324a Prerequisites: 324a or four semesters of other formal instruction in shorthand transcription and the ability to transcribe on the typewriters new-matter dicta tion taken at a sustained rate of 90 words per minute.

327–4 Office Theories and Procedures. A study of office efficiency, techniques filing procedures, financial and legal responsibilities, and other office activities Opportunities to explore reference sources, to prepare for and participate i interviews, to make self evaluations, and to pursue areas of special interest Operation of dictating and transcribing equipment. Prerequisite: 201c o equivalent.

341–4 Office Machines. A study of the capabilities and operational character istics of basic types of office machines; a consideration of appropriate uses o each kind of machine. Laboratory practice required. A unit in data processin gives opportunity for key-punch instruction.

350–4 Consumer Income Management. The development of concepts relativ to the management of the personal financial affairs of the American consume Budgeting income and expenses, installment purchasing, comparison of price insurance, real estate, taxation, and savings and investments.

351–4 Foundations of Business Education. The role of the business teache in the secondary and post-secondary school. An analysis of business educatio objectives and curriculum. A survey of trends and external influences as the affect business education.

360–4 Practicum in Vocational Education. Pre-student teaching clinical ex periences in business education which develop an understanding of and tech niques for working with economically disadvantaged students and give th prospective business education teacher an awareness of the needs of the dis advantaged youth and the techniques used in meeting these needs.

403–4 Teaching Typewriting. Instructional procedures, skill-building princi ples and techniques, selection and preparation of instructional materials, stand ards of achievement, and evaluation of pupil performance. Prerequisite: 30

404–4 Teaching Shorthand and Transcription. Instructional procedures, skill building principles and techniques, selection and preparation of instructiona materials, standards of achievement, and evaluation of pupil performanc Prerequisite: 324a.

405–4 Teaching General Basic Business Subjects. Instructional procedure analysis and selection of materials, preparation of teaching units, evaluation o pupil performance.

406–4 Teaching Office Practice. Instructional procedures, skill-building, eva uation of teaching materials, and pupil performance for office practice and of fice machines. Prerequisite: 341 or equivalent.

408–4 Teaching Data Processing and Bookkeeping. Instructional procedure analysis and selection of materials, preparation of a teaching unit in dat processing, and evaluation of pupil performance.

4–6 (3,3) Organization and Administration of Cooperative Vocational Business Education Programs. Philosophy and objectives of cooperative vocational rograms, methods of selecting students and work stations, placing and supersing students on part-time jobs, preparation of instructional materials, job nalyses, conducting related information courses, evaluating workers and work ations, advisory committees, and public relations aspects of cooperative rograms.

5–6 Supervised Business Experience and Related Study. Classroom study the principles and problems of coordinating in-school and cooperative vocaonal business education programs, with analysis and evaluation of on-the-job xperiences of the members of the class in relation to their future work as oordinators and vocational teachers.

7–4 Application of Data Processing in Business Education. Acquaints busiess teachers with data processing applications in high school business classes. mphasis on vocabulary development, unit record equipment, concepts of rogramming, and fundamentals of computer applications applicable to high hool students. Approximately one-third of course is spent in machine operaon.

6–4 Office Management. The principles of management as applied to office roblems. Emphasis on the role of the office in business management; office ganization; physical facilities and layout of the office; office services, proceures, standards, and controls.

7–4 Records Administration. The requisites for records administration. The lue of files and their creation, control, retention, and disposition. Applicaons to such records as medical, legal, educational.

8–4 Systems and Procedures. A problems approach to the office systemsrocedures function in the modern business firm; seminar and laboratory work n improvement of systems and procedures, administrative information and aperwork engineering; theory of office-systems design; systems administration nd work simplification. Prerequisite: 426 or consent of instructor.

0–4 Principles and Problems of Business Education.

2–4 Introduction to Research in Business Education.

3–4 Tests and Measurements in Business Education.

5–2 to 16 Workshop in Business Education.

7–4 Teaching Data Processing.

8–4 Administration and Supervision in Business Education.

9–4 Improvement of Instruction in General (Basic) Business Subjects.

0–4 Improvements of Instruction in Secretarial Subjects.

0–4 Research Seminar in Business Education.

0–2 to 5 Readings in Business Education.

1–2 to 5 Individual Research in Business Education.

9–1 to 9 Thesis.

Chemistry

5–5 Introduction to Chemistry. Preparation for university chemistry course. lathematical techniques and problem solving; fundamental chemical terms, ncepts, and laws. For students who do not have the basics of high school emistry. Grades are Pass or Fail. May not be applied to a primary or a condary concentration in chemistry. Three lecture, one quiz, and three boratory hours per week.

0–4 General and Inorganic Chemistry. Primarily for students of nursing. A rief introduction to the structure of the atom and chemical bonding; acids, ases, salts, and pH; and a study of the properties and reactions of some of e more common elements. Three lecture and three laboratory hours per eek. Not applicable to a concentration or to a secondary concentration in emistry.

5–10 (5,5) Chemical Structure and Dynamics. University-level treatment modern chemistry. (a) Atomic structure, molecular bonding and structure, nd states of matter. Four lecture and three laboratory hours per week. (b) olutions, equilibrium calculations, kinetics, and oxidation-reduction. Laboory work includes qualitative analysis. Three lecture and six laboratory hours er week. Prerequisite for a: 105 or satisfactory performance on diagnostic st; for b: 125a.

5–5 General Quantitative Analysis. Introduction to theories and methods

of volumetric and gravimetric techniques. Three lecture and six laboratory hours per week. Prerequisite: 125b.

240–4 Organic Chemistry. Primarily for students of nursing. An introduction to aliphatic and aromatic compounds with emphasis on those of biological importance. Three lecture and three laboratory hours per week. Not applicable to a concentration or to a secondary concentration in chemistry. Prerequisite: 110 or 125b.

305–6 (3,3) Organic Chemistry, Preprofessional. For secondary concentration in chemistry and preprofessional students. Three lecture hours per week. Prerequisite: 125b.

311–3 Inorganic Chemistry. Introduction to theories of bonding and structure; descriptive chemistry of less familiar elements, coordination compounds, and organometallics. Three lecture hours per week. Prerequisite: 125b.

341–9 (3,3,3) Organic Chemistry. Three lecture hours per week. Must be taken in a,b,c sequence. Prerequisite: 125b.

345–6 (2,2,2) Organic Chemistry Laboratory. Must be taken in a,b,c sequence. Prerequisite: 305a or concurrent enrollment or 341a or concurrent enrollment.

375–0 to 3 Chemistry Seminar. One lecture hour per week. Prerequisite: senior standing.

396–2 Introduction to Research. Investigation of relatively simple research problems in chemistry under the direction of a staff member. Prerequisites: 3.0 average in chemistry courses, prior arrangement with a staff member, consent of chemistry faculty chairman.

411–4 Physical Inorganic Chemistry. Modern inorganic chemistry including symmetry, atomic structure, chemical bonds, and stereochemistry of complex ions and metal chelates. Four lecture hours per week. Prerequisite: concurrent enrollment in 461b.

412–3 Inorganic Preparations. A study of several important types of inorganic syntheses. One lecture and six laboratory hours per week. Prerequisites: 135, 345b.

432–8 (4,4) Instrumental Analytical Measurements. Theory and practice of instrumental analytical measurements, including spectrophotometric, electroanalytical, and chromatographic methods. Two lecture and six laboratory hours per week. Prerequisite: 461b or concurrent enrollment.

433–3 Intermediate Quantitative Analysis. A study of the analysis of complex materials, with emphasis on separations, functional group analysis, and instrumental applications. Two lecture and three laboratory hours per week. Prerequisites: 432a or b, 461c.

444–3 Organic Reactions. An intermediate course with emphasis on monofunctional compounds. Additional topics, not included in elementary courses. Three lecture hours per week. Prerequisite: 341c.

446–4 Qualitative Organic Analysis. A systematic study of the separation and identification of organic compounds by a procedure based on solubility and classification reagents. Two lecture and six laboratory hours per week. Prerequisites: 345c and 305b or 341c.

451–6 (3,3) Biochemistry. **(a)** Carbohydrates, lipids, amino acids and proteins, nucleic acids and nucleo-proteins, enzymes. **(b)** Vitamins and coenzymes, metabolism of carbohydrates, lipids, amino acids and proteins, energy metabolism, hormones. Must be taken in a,b sequence. Three lecture hours per week. Prerequisite: 135, 305b or 341c.

455–2 (1,1) Experimental Methods in Biochemistry. **(a)** Some modern separation techniques. **(b)** Biochemical preparations, syntheses, and methods of identification. Three laboratory hours per week. Prerequisites: 345b, concurrent enrollment in 451a.

460–5 Physical Chemistry, Preprofessional. For secondary concentrations in chemistry and preprofessional students. Suggested for B.S. in Education degree. Traditional and biological aspects of physical chemistry without the requirement of calculus. Four lecture, three laboratory hours per week. Prerequisites: 135, 305b or 341c, 345b, and one year of physics.

461–9 (3,3,3) Physical Chemistry. Chemical thermodynamics, equilibrium, and kinetics; behavior of gases; atomic and molecular structure; electrochemistry. Three lecture hours per week. Must be taken in a,b,c sequence. Prerequisites: 135, 12 hours of physics, one year of calculus.

464–3 Intermediate Physical Chemistry. Intermediate between the first year of undergraduate physical chemistry and advanced physical chemistry. Three lecture hours per week. Prerequisite: 461c.

65–3 (1,1,1) Physical Chemistry Laboratory. Three laboratory hours per week. Must be taken in a,b,c sequence. Prerequisites: concurrent enrollment in 345a and 461a.
86–15 Argonne Quarter. Intensive course work and original research under the direction of Argonne National Laboratory staff to be taken in residence at the Laboratory. Prerequisites: senior standing, 4.0 average, consent of faculty chairman, prior approval of application by Argonne National Laboratory.
90–2 Chemical Literature. A study description of the various sources of chemical information and the techniques for carrying out literature searches. Two lecture hours per week. Prerequisites: 135, 305b or 341c, reading knowledge of German or consent of instructor.
96–2 to 6 Chemical Problems. Investigation of chemical problems under the direction of a staff member. Prerequisites: senior standing, concentration in chemistry with 4.0 average, consent of faculty chairman.
411–9 (3,3,3) Advanced Inorganic Chemistry.
417–3 Laboratory Techniques in Inorganic Chemistry.
419–2 to 30 (2 to 6 per quarter) Advanced Topics in Inorganic Chemistry.
431–3 Theory of Quantitative Analysis.
439–2 to 30 (2 to 6 per quarter) Advanced Topics in Analytical Chemistry.
441–3 Advanced Organic Chemistry.
447–3 to 6 Advanced Laboratory Preparations in Organic Chemistry.
449–2 to 30 (2 to 6 per quarter) Advanced Topics in Organic Chemistry.
461–3 Chemical Thermodynamics.
462–3 Atomic and Molecular Structure.
469–2 to 30 (2 to 6 per quarter) Advanced Topics in Physical Chemistry.
475–1 to 3 Graduate Seminar.
496–1 to 2 Advanced Chemical Problems.
497–3 to 15 Research and Thesis.

Colloquium

500–12 (4,4,4) Colloquium. Selection by several students of a topic of interest to them and forming of a colloquium which is conducted by the group. Prerequisite: sophomore standing.

Comparative Literature

410–20 (4,4,4,4,4) Comparative Literature: Genres. (a) lyric and epic poetry. (b) drama. (c) prose. (d) tragedy. (e) novel.
499–4 Traditional Themes of World Literature. Prerequisites: any course in comparative literature and a course in English, foreign, or comparative literature.

Counselor Education

405–4 Educational Psychology. Study of the learner and the learning process. Includes study of behavior, discipline, development, the school environment, application of learning theories, and methods of assessment. Prerequisite: GSB 201c.
410–4 (2,2) Dynamics of Campus Leadership. An organized presentation of accurate information about the University's historical development and plans for future growth, organizational structure, philosophy, administrative policies, and goals with emphasis on the role of student groups in the educational community. (a) Elected or potential student leaders. (b) Resident assistants. Prerequisite: consent of instructor.
420–4 Educational Statistics. The statistics needed by teachers for classroom use, the reading of educational literature, and informal educational research. Includes methods of organizing and presenting data, describing group performance, describing individual performance, model distributions, measure of relationship, measures of reliability, and tests of significance. Prerequisite: 305.
422–4 Educational Measurements I. Study of the philosophy and techniques of measurements. Special attention to the construction and use of teacher-made tests. Prerequisite: 305.

426–4 Individual Inventory. Principles and procedures for studying individual pupils and their problems for guidance purposes. Emphasis on interview, observation, ratings, case study, cumulative record, etc.
483–6 Community Programs for the Prevention of Juvenile Delinquency. Analysis of delinquency prevention in community programs administered by the public schools, social welfare, governmental agencies. A study of the various categories of juvenile delinquency is applied to a critique of existing programs and to the development of experimental programs. The roles of professional workers pertinent to such programs is delineated with special reference to the public school administration, counselor, the social workers, the court, probation officers, and police. Prerequisite: consent of instructor.
485–4 to 9 Workshop in Educational Utilization of Community Resources.
501–2 to 8 Special Research Problems.
510–4 College Student Personnel Services.
511–4 Educational Implications of Learning Theories.
515–4 Psychological Aspects of Education.
520–8 Educational Statistics and Experimental Design.
522–4 Educational Measurement II.
525–4 School Behavior Problems and Their Prevention.
526–4 Techniques of Individual Guidance.
528–4 Advanced Guidance of the Individual.
535–4 Introduction to Individual Measurement.
536a–4 Appraisal of Intelligence: Child.
536b–4 Appraisal of Intelligence: Child and Adult.
536c–4 Appraisal of Intelligence.
537–4 Counseling Theory and Practice I.
538–4 Counseling Theory and Practice II.
541–4 Occupational Information and Guidance.
542–4 Basic Principles of Guidance.
543–4 Guidance Through Groups.
545a–2 to 4 Seminar: Problems in Guidance.
545b–2 to 4 Seminar: Learning and Communication.
545f–2 to 4 Seminar: Pupil Adjustment.
545j–2 to 4 Seminar: Organization and Administration.
562a–4 Child Development in Education.
562b–4 Adolescent Development in Education.
575c–1 to 2 Practicum in Guidance.
576–4 to 8 Practicum in School Personnel Work.

Economics

200–4 Macroeconomics. An introduction to national economic systems with attention to the meaning and measurement of national income, and the causes of fluctuations therein. National economic objectives and policies, including the distribution of income, the level of employment factors affecting stability and growth, the role of taxation. Prerequisite: sophomore standing.
201–4 Microeconomics. Principles and characteristics of the market economy. Theory of the business firm, supply, demand, and prices. Analysis of earnings of productive resources, including wages, rent, interest, and profit. Introduction to market structure and public policy. Prerequisite: sophomore standing.
300–4 The Monetary System and Economic Policy. Study of relationships between money, credit, prices, and economic activity. How the banking system creates money; the Federal Reserve System. Introduction to public finance and fiscal policy; the role of public finance in full employment policy. Introduction to international financial relationships. Prerequisite: 200.
310–4 Labor Problems. Survey of labor force, wage and employment theory, unemployment including economic insecurity, trade unionism, and collective bargaining from the standpoint of public policy. Prerequisites: 200, 201.
GSB 311–3 Economic Development of the United States.
GSB 312–3 Comparative Economic Systems.
317–4 Economic History of the United States.
330–4 Public Finance I: National. The role of government in the economy, optimum levels of public activities, government budgets, and national income; financing of government expenditures, principles of taxation, examination of fiscal policy. Prerequisite: 300.

-4 Intermediate Micro Theory. An intensive treatment of price and income ory with emphasis on degrees of price and other competition. Prerequisite:

-1 to 4 Independent Study in Economics. An investigation of topical areas greater depth than regularly titled courses permit. Individual or small group dings and projects. Prerequisites: 340 or 441, consent of instructor and fac- chairman.
-4 Collective Bargaining and Dispute Settlement.
-4 Money and Banking II. Evolution of money systems, theories of ct of money supply on national income, debt, asset-holdings, etc.; rela- ships of money supply to specific industries and key economic variables considerations. Prerequisite: 300.
-4 Economic History of Europe.
-4 Introduction to Economic Development. The preconditions, processes, problems involved in economic development. The theory and policy rele- t to development, with emphasis on the "developing" or "emerging" econ- es. Prerequisites: 200, 201.
-4 International Economics. Intensive treatment of the principles of inter- onal economics with special emphasis on the classical and modern theories nternational trade. Income effects and balance of payment theory. Pre- uisites: 200, 201.
-4 Regional Economy. Regional economic development, including theoret- and practical problems in designing and implementing development pro- ms.
-3 Public Finance II. State and Local. Prerequisite: 330.
-3 Fiscal Policy of the United States. Countercyclical, secular, and emer- cy use of government expenditures, debt, and taxes.
-4 An Introduction to Urban Economics. The economic causes of urban wth and the economic-social problems which rapid unregulated growth ates. The growth of cities including a study of location theory, the effects agglomeration, the structure of the economic base, and regional income ounting. A solution to the problems of cities including a designation of s to eliminate the misuse of resources and an examination of possible tech- ues to attain these goals. Prerequisites: 200, 201.
-3 Government and Labor. A study of labor relations and legislation con- ring both constitutional and economic aspects. Prerequisites: 200, 201.
-4 Intermediate Macro Theory. Basic analytical concepts of the modern ory of aggregative income. Prerequisite: 200, 201 or consent of instructor.
-6 (3,3) History of Economic Thought. The development of economic ught; **(a)** ancients to 1850; **(b)** 1850 to present. Must be taken in a,b uence. Prerequisites: 200, 201.
-4 Mathematical Economics I. A systematic survey of mathematical eco- ic theory. Conditions of static equilibrium (including stability conditions), amic models using difference equations, and linear production models of t-output analysis and activity analysis (linear programming). Prerequisites: consent of instructor.
-4 Econometrics I. Introduction to resource allocation under uncertainty. babilistic economic models, theory of games and economic choices, and hastic economic processes. Prerequisite: consent of instructor.
-4 Dynamic Economics: Fluctuations and Growth. A study of the causal ors which produce fluctuations in economic activity and/or growth. An tification of the factors which affect the length of the cycle, its amplitude, the stability or instability of equilibrium. An examination of the theories issues of economic growth. Prerequisite: 441 or consent of instructor.
-4 Business Enterprise and Public Policy. Some of the major problems of al control of business arising out of the operation of business in modern ety; types of control, necessity, and effects of controls. Prerequisite: senior ding.
-3 Comparative Economic Systems. Capitalism, socialism, fascism, and r forms of the economy. Prerequisites: 200, 201.
-1 to 5 Economic Readings.
-4 Economic Analysis.
-4 Theory of the Firm.
-4 Labor Economics.
-4 Econometrics II.
-4 Monetary Theory and Policy.

519–4 Economic Growth.
520–4 Economic Development Theory and Policy.
530–4 International Economics and Finance.
533–4 Public Finance Theory and Practice.
541–4 National Income Theory.
542–4 Price Theory.
543–4 Seminar in Economic Policy.
561–4 Advanced Topics in Economic History.
566–4 Mathematical Economics II.
582–4 Economic Behavior.
591–4 Seminar in Analytical Approaches to Economic Decisions.
599–1 to 9 Thesis.

Educational Administration

GSB 331–3 The American Educational Systems.
355–4 Philosophy of Education. The philosophical principles of education a the educational theories and agencies involved in the work of the schoo Prerequisite: Counselor Education 305.
420–4 Legal Basis of American Education. Particular emphasis is placed common law principles.
431–4 History of Education in the United States. A historical study of t problems of American education relevant to contemporary education.
432–4 Public Opinion: Propaganda and Education. Analysis and classificati of propaganda. Designed to show how public opinion is formed by a use current materials from the different channels of communication. Differenc between propaganda and indoctrination.
434–4 Administrator's Workshop. A special program for the consideration administrative problems pertinent to superintendents, high school principa and elementary school principals.
456–4 School Supervision. The function of the principal or supervisor in t improvement of instruction. Some activities, methods, and devices for impro ing the effectiveness of teaching.
480–4 Backgrounds of Urban Education. (Same as Elementary Education 4 and Secondary Education 480.) A study of social, economic, and den graphic factors as they impinge upon programs in urban schools, particula those in the inner city. Prerequisite: consent of instructor.
490–4 to 12 International Field Study in Comparative Education. Internatio field study of selected aspects of national systems of education examined their social matrix. By means of direct observation, conferences, lectures, a seminars, the advanced education student is helped to gain a mature p spective on American education through comparison and contrast with edu tional systems of other societies to critically evaluate American educatio patterns in light of observed alternatives, and to develop fresh curricular a proaches in the area of international understandings through an examinati of other cultural patterns. With the permission of the instructor this cou may be repeated with credit.
500–4 Research Methods.
501–4 Seminar in Educational Administration.
502–4 Seminar in Comparative Education.
503–0 to 4 Seminar in Philosophy of Education.
504–4 Seminar in History of European Education.
506–4 Seminar: Curriculum in Relation to American Culture.
511–12 (4,4,4) Internship Practicum.
520–4 Illinois School Law.
524–4 School Administration.
525–1 to 4 Personnel Administration.
533–4 School Buildings.
534a–4 School Finance.
534b–4 School Business Administration.
551–4 Community Junior College Curriculum.
553–2 to 12 Practicum in Urban Education.
554–4 Contrasting Philosophies of Education.
556–4 Seminar in Educational Supervision.
560–4 Curriculum.

–4 Workshop in School Public Relations.
–4 The Community Junior College.
a-k–2 to 4 each Individual Research.
–4 Research Seminar in Urban Education.
–5 to 9 Independent Investigation.
–1 to 3, 598–1 to 3, 599–1 to 3 Thesis.

Elementary Education

–3 Understanding the Elementary School Child. Concepts needed to unstand the child in the elementary school situation. Two hours lecture and hours observation. Prerequisite: GSB 201c.
–4 Elementary School Methods. The fundamental principles of education, interpretation of current educational theory and practice, the processes teaching and learning involved in elementary education. Prerequisites: unselor Education 305, Educational Administration 355.
–4 Kindergarten-Primary Methods and Curriculum. Philosophy and prines underlying the teaching of four-to-eight-year-olds. Emphasis upon orization, equipment, materials, and methods for promoting growth of young dren. Prerequisites: Counselor Education 305, Educational Administra- 355.
–4 Reading in the Elementary Schools. The principles of reading, factors t condition reading, together with grade placement of aims and materials; gnostic and remedial treatment. Prerequisites: 314, Counselor Education , Educational Administration 355.
d–8 to 12 Kindergarten-Primary Student Teaching. Prerequisites: Coun- r Education 305, Educational Administration 355, approval of elementary cation adviser.
e–4 to 8 Advanced Kindergarten-Primary Student Teaching. Prerequisite: d.
a, 351b, 351c–4 to 16 Elementary Student Teaching.
d–8 to 16 Elementary Student Teaching. Prerequisites: 314, Counselor ucation 305, Educational Administration 355, other courses listed in each a of concentration, and approval of elementary education adviser.
e–4 to 8 Advanced Elementary Student Teaching. Prerequisite: 351d.
–4 Children's Literature. Emphasizes types of literature, analysis of liter- qualities, and selection and presentation of literature for children. Not for dents who have had English 213. Prerequisite: Counselor Education 305.
–2 to 4 Improvement of Instruction in Arithmetic in the Elementary ool. Items to be taught, the grade placement of content, newer instructional ctices and materials of instruction, and means of evaluating achievement. requisites: 314, GSD 112.
–4 Workshop in Elementary Education. Meets needs of in-service teachers uch areas as curriculum adjustment, remedial teaching, child development, early childhood education.
–4 Problems in Reading. Practices and trends in the teaching of reading; erials of instruction in reading, particularly remedial materials; techniques materials for prevention of reading difficulties; diagnosis and remediation reading difficulties. Prerequisites: 337, senior standing. Not open to stuts having had 505.
–4 Science for the Elementary Teacher. Study of content and methods of nentary school science.
–3 Workshop in Sex Education for Elementary Teachers. (Same as Health cation 470.) Designed to encourage elementary school teachers to integrate education concepts into their teaching program. Current theories and wledge concerning the psychosocial aspects of the maturation process are ted to the content used for teaching pupils at various grade levels. Spests in psychology, public health, and social welfare offer a multi-disci- e approach to help teachers plan a program based upon characteristics needs of pupils.
–4 Backgrounds of Urban Education. (See Educational Administration and Secondary Education 480.)
–4 Improvement of Reading Instruction.
–2 to 4 Readings in Reading.
–4 to 8 Practicum in Reading.

513–4 Materials and Methods for the Assessment of the Disabled Reader.
514–4 Organization and Administration of Reading Programs.
515–4 Special Problems in the Teaching of Arithmetic in the Elementa School.
518–2 to 4 Supervision of Student Teachers.
521–12 (4,4,4) Diagnosis and Correction of Reading Disabilities.
533–2 to 12 Practicum in Urban Education.
541–4 Curriculum Problems in Elementary School Science.
542–4 Language Arts in the Elementary School.
543–4 Teaching the Social Studies in the Elementary School.
557–4 The Elementary Principalship.
559–4 Workshop in Instructional Leadership in Elementary Education
561–4 The Elementary School Curriculum.
567–12 (4,4,4) Teaching Competencies and Their Application.
575a-k–2 to 4 each Individual Research.
580–4 Research Seminar in Urban Education.
596–5 to 9 Independent Investigation.
597–1 to 3, 598–1 to 3, 599–1 to 3 Thesis.

Engineering

101–9 (3,3,3) Engineering Graphics. (a) Basic principles of graphic commu cations. Pictorial projection, sections and conventions, dimensioning auxilia views, freehand lettering, and sketching. (b) Graphical solution of proble involving the understanding of the space relationships of points, lines, a planes; intersections and developments. (c) Auxiliary views, threads a fasteners, dimensioning. Laboratory must be taken in a,b,c sequence.
200–9 (3,3,3) Circuit Analysis. Integrated study of circuits AC, DC, and no sinusoidal; network theorems and introductory transient analysis. Prerequisit Mathematics 150a or concurrent enrollment.
201–3 (1,1,1) Circuit Analysis Laboratory. Laboratory experiments exempli the material covered in 200. Prerequisite: concurrent enrollment in 200.
220–3 Electrical Circuits. DC and AC electrical circuits, including netwo models, Kirchhoff's laws, mesh current equations, superposition theore phasors, rms values, AC power, and the Fourier Series. Prerequisite: Math matics 150b.
221–1 Electrical Circuits Laboratory. Laboratory study of DC and AC c cuits, illustrating principles discussed in 220. Prerequisite: concurrent enro ment in 220.
230–3 Engineering Geology. Geological principles governing the solution civil engineering problems which are connected with the use and occurren of rocks, minerals, soils, and water in the design and construction of engine ing works.
260–8 (4,4) Engineering Mechanics. Study of forces, moments, equilibriu equations; structural mechanics, friction, centroids, first and second momer of lines, areas, volumes. Kinematics of particles and rigid bodies, movi coordinate systems. Dynamics of particles and rigid bodies, using Newto laws, momentum, and energy methods. Vector algebra and calculus us throughout. Prerequisite: Mathematics 252a.
300–3 Thermodynamics. Elements of classical thermodynamics. Laws thermodynamics and applications to open and closed systems. Introducti to statistical thermodynamics and its relationship to macroscopic properti of matter and transformation of energy. Prerequisites: Mathematics 35(Physics 211b.
310–6 (3,3) Physical Electronics. Study of electron emission, electron a ion ballistics, semi-conductor physics, gaseous collision phenomena; the a plication of the preceding to transistors, vacuum tubes, gas tubes. Prerequisit 200, Physics 300.
311–6 (3,3) Engineering Materials. Selected topics in the atomic and molecul structure, properties, behavior, testing, and selection of materials. (a) Stru ture and relationship to macroscopic properties of materials. Physical a mechanical properties of solid state. Strength of materials, static and dynan effects, stress, strain, and elementary theories of elasticity and visco-elastici (b) Complex mechanical stresses, fatigue, creep, and limit analysis. Therm electrical, magnetic, chemical, and other properties of materials. Prerequisit 260a, 300, concurrent enrollment in 312.

312–2 (1,1) Engineering Materials Laboratory. Student-planned experiments n measuring the physical, mechanical, electrical, magnetic, chemical, and ther properties of materials. Prerequisite: 311.

314–6 (3,3) Soils Engineering. Sampling, identification, classification, and esting of soils. (a) Theories and measurement of essential properties, such s moisture, strength, permeability, and seepage. (b) Soil-bearing capacity and arth pressures as related to pile and pier foundations, stability of slopes, re- aining walls, and abutments. Prerequisites: 311, 312.

315–3 Substructure Analysis. Site investigations; principles of design of pile oundations; study of cofferdams, caissons, piers, abutments, and underpinning. 'rerequisites: 311, 312, concurrent enrollment in 314.

320–3 Electronic Circuits. Active networks including physics of tubes and ransistors, biasing of active devices, simple amplifier circuits, R-C coupled mplifiers, basic oscillators, feedback circuits. Prerequisite: 220.

321–1 Electronic Circuits Laboratory. Laboratory study of active networks lustrating principles discussed in 320. Prerequisites: 220, concurrent enroll- ient in 320.

340–8 (4,4) Structural Analysis and Design I, II. (a) Analysis of statically eterminate structures; reactions, shears, bending moments, and direct stresses ue to fixed and moving loads; influence lines and loading criteria for beams nd framed structures. (b) Computation of beam deflections; statically in- eterminate analysis by moment areas, consistent deflection, and moment dis- ibution. Prerequisites: 260, 311, Mathematics 305.

353–9 (3,3,3) Surveying. (a) Use and care of surveying instruments. Funda- ental principles of surveying, computations, land surveying. (b) Field stronomy, route surveying, introduction to photogrammetry, hydrographic irveying, and subsurface surveys. (c) Techniques in the use of air photos s source material for research in the physical and social sciences. Laboratory. rerequisite for a and b: GSD 114c; for c: 363b, consent of instructor.

375–0 to 6 Seminar. Prerequisite: junior or senior standing.

380–12 (4,4,4) Environmental Engineering I, II, III. (a) The scientific founda- on of environmental engineering: air, water, and soil pollution problems and eneral approach to control and treatments. (b) Planning and design of water upplies, distribution systems, sewers, and waste eater treatment facilities. c) Control of industrial wastes and by-products to reduce air, water, and oil pollution. Prerequisite: junior or senior standing.

395–2 to 8 Readings in Engineering. Supervised reading in selected subjects. rerequisites: junior or senior standing, concentration in engineering, consent chairman.

405–5 (4,1) Generalized Radiation. A unified course in radiation theory, eating electromagnetic and mechanical radiation. Analysis of wave motion, roperties of progressive waves, boundary conditions. Examples taken from diation in fluids and elastic media, and from electromagnetic radiation. aboratory. Prerequisite: Physics 305a,b.

410–8 (4,4) Electron Devices. Study of active networks utilizing transistors nd tubes from both analytic and synthetic points of view. Audio, video, perational, power amplifiers; LC, RC, and relaxation oscillators; power upplies; small-signal, large-signal, switching; wave shaping; analog and gital computing circuits. Prerequisites: 200, 201, 310, concurrent enrollment 411.

411–2 (1,1) Electron Devices Laboratory. Experiments to illustrate the analytic aterial in 410 and to provide experience in synthesizing active circuits. rerequisites: 200, 201, 310, concurrent enrollment in 410.

420–6 (3,3) Transport Phenomena. Principles and mechanism of energy, mass, nd momentum transport. (a) Molecular motion, laminar flow of a continuum, nd transport in solids. (b) Turbulent flow, inter-phase transport, radiative ansfer, and macroscopic balances of mass, energy, and momentum. Scheduled boratory projects. Prerequisites: 300, 311.

421–1 Fluid Dynamics Laboratory. Laboratory experiments and projects to udy the flow of fluids in free flow, conduits, and porous media. Dynamic nilitude and basic concepts of laminar flow, boundary layers, turbulence, nd energy dissipation. Prerequisite: concurrent enrollment in 420.

423–3 Hybrid Computation. The simultaneous use of the analog and the gital computer for the solution of engineering problems. Scaling of problems. ock diagrams and logic are stressed. Linear and nonlinear differential uations. Simulation as well as iterative analog computation are covered. erequisite: Mathematics 225.

440–8 (4,4) Structural Analysis and Design III, IV. (a) Design of memb in tension and in compression, built-up flexural members; study of structu connections. Laboratory. (b) Design project under supervision. Laborato Prerequisite: 340.

442–4 Concrete Structures. The mechanics of reinforced and prestressed cc crete structural elements with emphasis on ultimate strength and time-d pendent behavior. Systematic procedures for member checking and memb design, with emphasis on design criteria. Detailing, formwork design, a construction procedures for in situ and precast reinforced and prestress concrete. Prerequisite: 440.

443–6 (3,3) Engineering Design. Principles of engineering design. Individu laboratory projects of a research design or development nature to study s tems simulation or instrumentation are selected by the student. Prerequisi 410.

460–8 (4,4) Engineering Analysis for Decision Making. (a) Introduction fundamental concepts and theorems of engineering analysis with emphasis the theory of linear, dynamic, and integer programming. Network analys inventory theory, simplex and revised simplex method, and dual theorem. (Introduction to advanced linear programming, nonlinear, probabilistic, a stochastic programming.

465–4 Automatic Control Theory. Principles of feedback control of lin systems, using Nyquist, Bode, and root-locus methods; stability criteria; e gineering examples, demonstrations, laboratory exercises. Prerequisites: 20 260b, Mathematics 305a.

470–12 (4,4,4) Geodesy. (a) Geometry of the ellipsoid; geodetic systen geodetic curves; computations of coordinates, distances, and azimuths. (Astrogeodetic methods; potential theory, Laplace and Poisson equatio spherical harmonics; gravity potential. (c) Reductions of gravity; introdu tion to satellite geodesy; world geodetic systems. Prerequisite for a: Math matics 350a; for b: Mathematics 405a.

472–3 Digital Computers in Research. Basic foundations used in operatio research. An intensive study in the use of digital computers as related to top such as probability and statistics, matrices, game theory, Monte Carlo te niques, distribution and scheduling problems, and simulation. Prerequisi Mathematics 225.

475–3 Transportation Engineering. Fundamentals of transportation syst planning, analysis, design, and development. Selected topics in highway, a rail, and sea transport including system simulations, network flow, optimi tion techniques, traffic flow theory, and economic analysis of transportati systems. Prerequisite: Mathematics 305.

476–3 Highway Planning and Design. The development and application concepts of modern highway planning and design for rural and urban tra portation systems. Prerequisite: 475.

477–3 Construction Engineering. Application of engineering principles modern methods of construction; office and field procedures; constructi planning including elements of critical path scheduling. Linear programmi and computer methods for civil engineering, design, and simulation. P requisite: Mathematics 305.

480–8 (4,4) Urban Systems Engineering. (a) Methods of systems analy and mathematical modeling of complex civil engineering projects in urb areas, such as transportation networks, refuse disposal, or water supplies. (Techniques of computer simulation of problems, or projects, of urban ar with study of analysis and design or typical modern urban systems. P requisites: Mathematics 305, consent of instructor.

485–4 Communication Theory. Frequency and time domain, discrete and c tinuous spectra, sampling theory, amplitude and frequency modulation, rand signal theory, ergodic processes, autocorrelation functions, white noise, n works with random inputs, signal-to-noise ratio, equivalent-noise bandwid Laboratory demonstrations and exercises. Prerequisite: 410a.

490–4 Microwave Theory and Techniques. Study of transmission line theo the Smith chart, scattering parameters, rectangular eaveguides, cylindri waveguides, cavity resonators, passive microwave devices, techniques of i pedance matching, microwave ferrite devices, microwave tubes, and microwa solid-state devices. Prerequisites: 410a, Physics 305.

523–3 Digital Simulation Techniques.

524–6 (3,3) Linear and Non-Linear Programming.

325–3 Analog and Digital Methods.
326–3 Simulation and Data Processing.
331–8 (4,4) Operations Analysis and Synthesis.
333–3 Program Evaluation and Review Techniques.
350–3 to 6 Topics in Engineering.
360–8 (4,4) Automatic Control Theory.
390–2 to 4 Readings in Engineering Mathematics.

English

100–4 Principles of English Grammar. Required for English students. Others should take 391. Credit not allowed for both courses.
102–12 (4,4,4) Survey of English Literature. (a) to 1550, (b) 1550–1750, (c) after 1750. May be taken in any sequence.
109–8 (4,4) Survey of American Literature. (a) to 1860, (b) since 1860. May be taken in either sequence.
ISC 313–3 Folklore.
120–4 Early Nineteenth-Century Poetry.
ISC 333–3 The Bible as Literature.
ISC 335–3 Studies in Short Fiction.
ISC 337–3 The English Language Heritage.
ISC 339–3 Classical Mythology and Its Influence.
165–4 Shakespeare.
191–3 Usage in Spoken and Written English. Usage and structure of English. Prerequisite to student teaching, except in English concentrations, which require 300.
192–3 Professional Writing I. Introductory course for undergraduates. Prerequisite to 492, but credit for the course does not constitute automatic admission to 492. Prerequisite: consent of instructor.
200–4 Introduction to English Linguistics. An introduction to the methods of descriptive linguistics as applied to English: the phonemics, morphemics, and syntax of English. Recommended for those preparing to teach English.
203–4 The History of the English Language. A survey of the development of the language from Indo-European to modern English with special emphasis on Middle and Early Modern English changes.
204–12 (4,4,4) Middle English Literature. (a) Middle English literature excluding Chaucer; (b) Chaucer: early poems and **Troilus**; (c) Chaucer: **Canterbury Tales.** May be taken separately.
205–8 (4,4) Descriptive Linguistics. (a) Phonetics and phonemics, an analysis of language structure from phone to phoneme; (b) morphology and syntax, an analysis of language structure from morph to sentence, with emphasis on immediate constituent analysis. May be taken separately. Prerequisite: consent of instructor.
212–16 (4,4,4,4) English Nondramatic Literature. (a) 16th century, (b) 17th century, (c) 18th century, (d) 1744–1798. May be taken separately.
220–8 (4,4) American Poetry. (a) Trends in American poetry to 1900 with a critical analysis of the achievement of the more important poets. (b) the more important poets since 1900. May be taken separately. Prerequisite: 309a or 309b.
221–16 (4,4,4,4) English Poetry. (a) Early Romantics: major emphasis on general background and on Blake, Coleridge, and Wordsworth; (b) later Romantics: emphasis on Byron, Shelley, and Keats, the minor figures; (c) Victorian poets: Tennyson, Browning, Arnold, and other poets of England, 1830–1900; (d) modern British poets. May be taken separately.
231–12 (4,4,4) Major American Writers. Significant writers of fiction and non-fictional prose from the Puritans to the 20th century. (a) 1620–1800, (b) 1800–1865 (c) 1865–1915. May be taken separately.
238–4 Intellectual Backgrounds of American Literature. The relationship of basic ideas in America to American literature. Prerequisite: 309a or 309b.
241–4 The 18th Century Essay. The informal essay and the literary periodicals —**The Spectator, Tatler, Guardian, Rambler, Idler,** and Goldsmith's **Citizen of the World** ("Chinese Letters").
242–4 Romantic Prose. Fiction of Austen Scott, Mary Shelley, Peacock, the Gothic novelists; prose of Lamb, Landor, Hazlitt, DeQuincey; criticism, journals, and letters.

443–4 Victorian Prose. The chief writers of nonfictional prose from the la romantics to 1900. Prerequisite: 302c.
447–4 American Humor and Satire. A consideration of the writers and for of 19th and 20th century humor.
454–12 (4,4,4) English Fiction. (a) 18th century: Defoe through Jane Auste (b) Victorian novel: 1830–1900. (c) 20th century. May be taken separate
456–4 Modern Continental Fiction. Selected major works of Europe authors such as Mann, Silone, Camus, Kafka, Malraux, Hesse.
458–8 (4,4) American Fiction. (a) The novel in America from its beginnin to the early 20th century. (b) trends and techniques in the American no and short story since 1914. May be taken separately.
460–16 (4,4,4,4) English Drama. (a) Elizabethan drama: from the beginni of the drama in late Middle Ages through its flowering in such Elizabeth playwrights as Greene, Peele, Kyd, Marlowe, Heywood, Dekker, but excludi Shakespeare; (b) Jacobean drama: the Jacobean and Caroline playwrigh Jonson, Webster, Marston, Middleton, Beaumont and Fletcher, Massing Ford, Shirley; (c) Restoration and 18th century drama: after 1660, represe tative types of plays from Dryden to Sheridan; (d) modern British dran May be taken separately.
464–4 Modern Continental Drama. The continental drama of Europe sin 1870; representative plays of Scandinavia, Russia, Germany, France, Ita Spain, and Portugal.
468–4 American Drama. The rise of the theater in America, with readings plays, chiefly modern. Prerequisite: 309a or 309b.
471–8 (4,4) Shakespeare. (a) The plays before 1600, (b) the plays of 16 and later. Readings on the life of Shakespeare, the theater, and the acti company. May be taken separately.
473–4 Milton. Reading of **Paradise Lost, Paradise Regained, Samson Agonist** minor poems, major treatises.
485–4 Problems in the Teaching of English. Aims, methods, materials, tes programs, and other aspects of English instruction in the high school.
486–2 to 8 Workshop in High School English. Intensive study in lectur laboratory, conferences, to arrive at agreement on the teaching of Engli in high school. Curriculum, materials, methods, aims. Directed by compete authorities in the field.
487–2 to 8 Workshop in Junior High School English. Intensive workshop stu in lectures, laboratory, conferences on the teaching of English in junior hi school. Curriculum, materials, methods, aims. Directed by competent autho ties in the field.
488–9 (3,3,3) Methods of Teaching English as a Foreign Language. (Classroom techniques, (b) laboratory methods, (c) preparation of materia Restricted to English as a foreign language and must be taken in a,b,c s quence.
490–4 Advanced Composition. Expository writing. Prerequisites: completi of second-level GSC requirements, junior standing.
492–4 Professional Writing II. Must be taken in a,b sequence. Prerequisi 392 or consent of instructor.
495–8 (4,4) Literary Criticism. (a) History of criticism: ideas and tec niques from Aristotle to the end of the 19th century, (b) modern criticis recent critics and critical attitudes, and practice in writing criticism.
499–2 to 6 Readings in English. For English students only. Departmental a proval required. No more than 4 hours may be taken in any one quarter.
500–4 Materials and Methods of Research in English.
501–4 Old English Grammar.
502–4 Beowulf.
504–4 Advanced English Syntax.
505–4 Contrastive Linguistic Structures.
508–4 or 8 Studies in Chaucer.
509–4 or 8 Studies in Middle English Literature.
511–4 or 8 Studies in the Renaissance.
513–4 or 8 Studies in 17th Century Literature.
514–4 or 8 Studies in Restoration and 18th Century Literature.
518–4 to 8 Studies in English Literature, 1885–1914.
519–4 or 8 Studies in Contemporary British Literature.
520–4 or 8 Studies in Romantic Writers.
521–4 or 8 Studies in Victorian Poetry.
524–4 or 8 Studies in the Metaphysical Poets.

531–4 or 8 Studies in American Colonial Period.
532–4 or 8 Studies in American Transcendentalism.
534–4 or 8 Studies in Early 19th Century American Writers.
536–4 or 8 Studies in Later 19th Century American Writers.
537–4 or 8 Studies in 20th Century American Writers.
538–4 or 8 Problems in American Literature.
540–4 Studies in Linguistics. (Historical and Dialectal.)
543–4 or 8 Studies in Victorian Nonfiction Prose.
555–4 or 8 Studies in the Victorian Novel.
560–4 or 8 Studies in Renaissance Drama.
566–4 or 8 Studies in Shakespeare.
569–4 Seminar in Special Problems of English as a Foreign Language.
579–16 (4 or 8, 4 or 8) Studies in Modern Literature.
580–4 Traditional Themes.
581–12 (4,4,4) Problems in High School English.
585–2 to 8 Teaching College Composition.
587–4 Literature for Young People.
597–2 to 4 Readings in Linguistics.
598–1 to 9 Independent Review of English and American Literature.
599–2 to 9 Thesis.

Experiment in Higher Education

101a,b,c,d–1 to 18 per quarter, 201a,b,c,d–1 to 18 per quarter University Studies. General education course series for the E.H.E. designed to provide General Studies equivalence credits on the first and second levels. Prerequisite for 201: 101a,b c,d.

Finance

320–4 Corporation Finance. A study of the principal duties of corporate financial officers and the problems of administrative financial management of business. Topics include planning, budgeting and control, external sources of capital. Prerequisites: Accounting 230, 231; Economics 200, 201.
420–4 Problems in Corporation Finance. Application of principles of finance to specific cases. Development of analytical ability and fuller comprehension of the nature of financial problems as encountered in business and industry by combining specific cases and collateral readings. Prerequisite: 320.
423–4 Commercial Banking Operations. The administration and operation of a commercial bank, including organization structure and asset management. Major problems are analyzed through the study of cases. Prerequisite: 420.
424–4 Financial Institutions. A study of the evolution, functions, and practices of the many types of financial intermediaries especially which have come into prominence since World War II and particular attention is given to commerce and government. Prerequisite: 420.
425–4 Investments. A survey of the investment field in theory and practice. Study of the state and federal agencies concerned with regulation of the issuance and exchange of securities in the interest of the investing public. The analysis of the particular types of investment securities and the bases for investment decisions and the management of investment portfolios. Prerequisite: 420.
520–4 Finance.
523–4 Financial Management.
528–4 Seminar in Finance.

Foreign Languages

The student who has completed one year of foreign language in high school usually begins with the first quarter of the first year course which is in General Studies. The student who has completed two years of high school foreign language usually begins with the intermediate course.

Students taking work in any first year college foreign language series should note that the first two terms are not counted as electives toward graduation unless the third term is also completed.

General Foreign Language

399–2 to 6 Readings. Readings in selected works of representative writers in the student's special field of interest. Offered in French, Spanish, German, Russian and Italian. May be taken for one, two, or three quarters. Primarily for students with no foreign language concentration, but may be taken for credit in foreign language concentration with consent. Prerequisite: 201.
435–4 to 8 Workshop in Elementary School Foreign Language Instruction. Designed to assist elementary school teachers in integrating foreign languages into their teaching program as well as to encourage high school teachers to introduce or supervise foreign languages at the elementary school level. To count as education or foreign languages. Prerequisite: basic language credit.
486–8 (4,4) Materials and Methods for Teaching Foreign Languages. Application of language learning principles to classroom procedures at different levels. Theory and practice of the audio-lingual approach, the language lab, applied linguistics. Required for all majors intending to teach foreign languages. Prerequisite: one quarter of any 300-level course, or consent.

French

123–3 (1,1,1) French Conversation. Conversation and oral drill taken with GSD 123 by students who wish additional oral training; elected only by students enrolled in GSD 123. May be taken separately.
130–5 Elementary Intensive French I. Intensive training in speaking and aural understanding. Open to Deans College students with no previous training in French, or by consent of foreign languages adviser. Prerequisite: concurrent enrollment in 131.
131–5 Elementary Intensive French II. Intensive training in reading and writing. Open to Deans College students with no previous training in French, or by consent of foreign languages adviser. Prerequisite: concurrent enrollment in 130.
200–4 French Review. Review and practice of basic structures to develop oral fluency. Open only to students with two or three years of high school French who need more training preliminary to entering the intermediate (201) college sequence.
201–9 (3,3,3) Intermediate French. Composition, oral practice, rapid reading of modern authors with special attention to the role of French culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 123 or two years of high school French, or equivalent.
220–6 (2,2,2) Intermediate French Conversation. Development of oral skill on the intermediate level. Offered for three quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter for 201.
230–5 Intermediate Intensive French I. Continuation of 130. Intensive training in understanding the spoken language and in the oral expression of ideas. Special attention to the role of French culture in world civilization. Prerequisites: 130, 131, concurrent enrollment in 231.
231–5 Intermediate Intensive French II. Continuation of 131. Development of reading comprehension and writing skills. Rapid reading of a variety of more difficult material. Writing of reports on various phases of French literature and culture. Prerequisites: 130, 131, concurrent enrollment in 230.
235–5 Intermediate Intensive French III. Continuation of 230 and 231. Extended practice in listening, speaking, reading, and writing. Special emphasis on contemporary aspects of French culture. Prerequisites: 230, 231.
301–12 (4,4,4) French Literature from the 18th Century of the Contemporary Period. (a) Montesquieu, Voltaire, Diderot, Rousseau, and others, with reference to the social, political, and philosophic environment of the 18th century. (b) 19th century romanticism, realism, and naturalism. (c) Representative works of the 20th century with special emphasis on the novel and drama. May be taken separately. Prerequisite: 201 and one quarter of 220, or consent.
311–9 (3,3,3) French Culture and Civilization. Analysis of significant aspects of French culture designed to improve intercultural understanding and to develop language skills. Oral discussions, readings, written reports, and laboratory practice. Prerequisite: 201 and one quarter of 220, or consent. May be taken separately.

338–12 (4,4,4) French Literature from the Middle Ages Through the 17th Century. (a) French literature from **La Chanson De Roland** to Francois Villon with special reference to the social, political, and cultural development of the Middle Ages. (b) Representative works of the Renaissance: Rabelais, Montaigne, Marot, Ronsard, and others. (c) Corneille, Racine, Moliere, Pascal and other writers of the 17th century with reference to the political and social environment of the period. May be taken separately. Prerequisite: 201 and one quarter of 220, or consent.
351–6 (3,3) Advanced French Conversation and Composition. (a) Oral work of a practical nature for advanced students. Prerequisite: 201 and one quarter of 220, or consent. (b) Rapid grammar review, daily writing practice, controlled composition. Must be taken in a,b sequence.
451–6 (2,2,2) Seminar. Integration of the specialized major courses and the development of a comprehensive view of the major field in terms of its relationship to the growth of Western Civilization. Required of all seniors with French concentration.
461–4 French Stylistics. Study of writing style in French and its application to the development of skill in written expression. For those who wish to do advanced work in the principles of French grammar and composition. Prerequisite: 9 hours of 300-level courses or consent of faculty chairman.
499–2 to 9 Readings in French. Readings in selected areas of French language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.
500–2 Seminar in Contemporary French Literature.
501–2 to 6 Seminar on a Selected French Author.
507–3 A Study of Romanticism.
510–4 19th Century Realism.
520–4 Graduate Composition and Diction.
544–4 French Language and Culture.
545–3 Applied Linguistics and Remedial Phonetics.
546–3 Professional Preparation.

German

126–3 (1,1,1) German Conversation. Conversation and oral drill taken with GSD 126 by students who wish additional oral training: elected only by students enrolled in GSD 126. May be taken separately.
201–9 (3,3,3) Intermediate German. Composition, oral practice, rapid reading of modern authors with special attention to the role of German culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 126 or two years of high school German, or equivalent.
220–6 (2,2,2) Intermediate German Conversation. Development of oral skill on the intermediate level. Offered for three quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.
251–4 Scientific German. Study of vocabularly and sentence construction as commonly found in German scientific writings. Prerequisite: one year of college German, or equivalent.
311–9 (3,3,3) German Culture and Civilization. Analysis of significant aspects of German culture designed to improve intercultural understanding and to develop language skills. Oral discussions, readings, written reports, and laboratory practice. May be taken separately. Prerequisites: 201, one quarter of 220.
313–12 (4,4,4) German Literature Before Romanticism. (a) The Old High German and Middle High German periods. (b) From the Ackermann in Bohmen to Johann Christian Gunther. (c) German literature from 1700 to the death of Schiller. May be taken separately. Prerequisites: 201, one quarter of 220.
316–12 (4,4,4) German Literature from Romanticism to Modern Times. (a) Introduction to the background, personalities and works of the period from 1798 to Heine. (b) The leading 19th century realists from Droste-Hulshoff to Fontane including the novel and drama of the period. (c) German literary masterpieces from naturalism to the present. May be taken separately. Prerequisites: 201, 220–2.
351–6 (3,3) Advanced German Conversation and Composition. (a) Oral work of a practical nature for advanced students. Prerequisites: 201 and one

quarter of 220, or consent. (b) Rapid grammar review, daily writing practice controlled composition. Must be taken in a,b sequence.
401–4 Faust. Analysis of both parts of Goethe's masterpiece, its background meaning, and impact on world literature together with a general survey of the life and times of the author. Prerequisites: 201, one quarter of 220.
408–4 German Civilization. Intensive study of the German-speaking areas of the world, with emphasis on the anthropological and sociological aspects of their respective cultures (Austrian, German, Swiss, "Reichs-deutsch," etc.) lectures, reports. Prerequisite: senior standing in German language.
413–3 German Linguistics. Introduction to comparative German linguistics tracing relationships among German languages on the basis of phonology morphology, and syntax. Prerequisite: senior standing in German language
451–6 (2,2,2) Seminar. Integration of the specialized major courses and the development of a comprehensive view of the major field in terms of its relationship to the growth of Western Civilization.
499–2 to 9 Readings in German. Readings in selected areas of German language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.
500–2 Seminar in Contemporary Literature.
501–2 Seminar on a Selected German Author.
506–2 Romanticism I.
507–2 Romanticism II.
509–4 (2,2) Old High German.
512–3 19th Century German Novel.
513–3 Twentieth Century German Novel.
514–3 Seminar in Folklore.

Greek

499–9 (3,3,3) Ancient Greek. (a) Selected readings designed to develop basic lexical and structural competence. (b) Continuation of a. (c) Study of a selected masterpiece of Greek literature. Prerequisites: (a) one year college-level foreign language, consent of chairman; (b) 499a or equivalent, consent of chairman (c) 499b or equivalent, consent of chairman.

Italian

144–3 (1,1,1) Italian Conversation. Taken with GSD 144 by students who wish additional oral training; elected only by students enrolled in GSD 144. May be taken separately.
201–9 (3,3,3) Intermediate Italian. Development of listening, speaking, reading and writing skills on the intermediate level, with special attention to the role of Italian culture in world civilization. Prerequisite: GSD 144 or two years of high school Italian, or equivalent.
220–6 (2,2,2) Intermediate Italian Conversation. Development of oral skill on an intermediate level. Prerequisite: Italian 201c or concurrent registration in any quarter of 201.
499–2 to 9 Readings in Italian. Readings in selected areas of Italian language literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty Prerequisites: 201, 220, consent of faculty chairman.

Latin

299–9 (3,3,3) Readings. (a) Rapid reading of selections from 2000 years of Latin literature. (b) Representative authors of the classical period. (c) Concentration of each student on authors relevant to his major field. May be taken separately. Prerequisites: two or more years high school Latin or equivalent, consent of faculty chairman.

Russian

136–3 (1,1,1) Russian Conversation. Conversation and oral drill taken with GSD 136 by students who wish additional oral training; elected only by students enrolled in GSD 136. May be taken separately.

201–9 (3,3,3) Intermediate Russian. Composition, oral practice, rapid reading of modern authors with special attention to the role of Russian culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 136 or two years of high school Russian, or equivalent.
220–6 (2,2,2) Intermediate Russian Conversation. Development of oral skill on the intermediate level. Offered for three quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.
299–2 to 9 Readings in Russian. Readings in selected areas of Russian language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.

Spanish

140–3 (1,1,1) Spanish Conversation. Conversation and oral drill taken with GSD 140 by students who wish additional oral training; elected only by students enrolled in GSD 140. May be taken separately.
201–9 (3,3,3) Intermediate Spanish. Composition, oral practice, rapid reading of modern authors with special attention to the role of Spanish culture in world civilization. Must be taken in a,b,c sequence. Prerequisite: GSD 140 or two years of high school Spanish, or equivalent.
220–6 (2,2,2) Intermediate Spanish Conversation. Development of oral skill on the intermediate level. Offered for three quarters at 2 hours per quarter; may be taken for credit each time. Prerequisite: 201c or concurrent registration in any quarter of 201.
301–12 (4,4,4) Spanish Literature from the Medieval Period Through Romanticism. (a) Spanish literature from the 12th to the 15th century; the epic, **El-Cantar Del Cid,** ballads, lyric poetry, chronicles and other prose works. (b) Representative works of the 16th and 17th centuries: Cervantes, Tirso de Molina, Lope de Vega, and others. (c) Romanticism in Spanish literature during the 18th and 19th centuries: Espronceda, Duque de Rivas, Jose Zorilla, and others. May be taken separately. Prerequisites: 201, one quarter of 220.
304–8 (4,4) Modern Spanish Literature. (a) Spanish literature of the 19th century as influenced by trends of European thought of the period: Galdos, Brazan, Benavente, and others. (b) Spanish literature of the 20th century with emphasis on the novel, essay, and poetry: Unamuno, Ortego y Gasset, Garcia Lorca, and others. May be taken separately. Prerequisite: 201, one quarter of 220.
306–4 Latin American Literature. Representative writers in Latin-American literature from the Colonial to the Contemporary period with emphasis on the novel, essay, and poetry. Prerequisites: 201, one quarter of 220.
311–9 (3,3,3) Spanish Culture and Civilization. Analysis of significant aspects of Spanish culture designed to improve intercultural understanding and to develop language skills. Oral discussions, readings, written reports, and laboratory practice. May be taken separately. Prerequisites: 201, 220–2.
351–6 (3,3) Advanced Spanish Conversation and Composition. (a) Oral work of a practical nature for advanced students. Prerequisite: 201 and one quarter of 220, or consent. (b) Rapid grammar review, daily writing practice, controlled composition. Must be taken in a,b sequence.
415–3 Spanish Phonetics. Analysis of the sounds of Spanish and their manner of production; intonation; levels of speech; oral practice. Prerequisite: 201 and one quarter 220, or graduate standing, or consent of faculty chairman.
451–6 (2,2,2) Spanish Seminar. Integration of the specialized major courses and development of a comprehensive view of the major field in terms of its relationships to the growth of Western Civilization.
461–4 Spanish Stylistics. Study of writing style in Spanish and its application to the development of skill in written expression. For those who wish to do advanced work in the principles of Spanish grammar and composition. Prerequisite: 9 hours of 300-level courses.
499–2 to 9 Readings in Spanish. Readings in selected areas of Spanish language, literature, culture, and civilization. Individual work or small groups under direct supervision of one or more members of the foreign language faculty. Prerequisites: 201, 220, consent of faculty chairman.
500–2 Seminar in Latin American Fiction.
501–2 Seminar on a Selected Spanish Author.

505–3 The Picaresque Novel.
506–4 The Renaissance.
520–3 Seminar in Syntax.
525–3 The Spanish Ballads.
535–3 Mexican Essayists of the 19th Century.

Romance Philology

410–4 Romance Philology I. Survey of phonology, morphology, and syn changes in Romance languages in general; special attention to the devel ments in French and Spanish for students with concentration in these fiel Prerequisite: senior standing in Romance language.

General Business Administration

140–4 Introduction to Business. An overview of the basic nature of busin in an essentially market-disciplined economic system. Emphasis on the int disciplinary nature of business and the broad administrative principles g erning organized human endeavor. Introduction to business and econor terminology and to the case method of developing analytical ability.
340–4 Organization and Decision-Making. Development of understanding organizational behavior and decision theory and of analytical skills throu case analysis and discussion. Examination of processes of group formati and development, conformity and direction, influence and decision-maki problem solving, role specialization and differentiation, status and social pov distribution, satisfaction, and goal internalization and commitment. Prereq sites: 140, GSB 201a,c.
341–4 Organizational Problems. Application of the concepts, understandi and techniques to major categories of recurring organizational problems fac by complex business units and described in case situations. Features such position specifications, authority structures, territorial imperatives, performar measurements, and procedures involving compensation, communication, a employee selection and promotion. Designing organizational patterns to m specific situational needs. Prerequisite: 340.
342–4 Contracts—Agency Law. Study and discussion of the terminology, de nitions, and principles of contract law applicable to the contractive proble in the operation of a business, including the relevant provisions of the unifo commercial code. The application of the principles of agency law by t entrepreneur in operating his firm, and his legal liability to his agency a third parties with whom he deals.
440–4 The Legal Environment of Business. Varied facets of the external a internal legal environments within which business firms operate. Use of cas and readings which describe and analyze the legal framework supportir facilitating, and guiding everyday business decisions. Common law, statuto law, administrative law as they affect business environment. Prerequisite: 1
441–3 Business Policy. Development of a top-management view leading the formulation of general policies to be followed by the organization. Detern nation of objectives, the development of plans for their achievement, organizi administrative personnel to carry them out, implementation of progran measurement of results, and the reappraisal of objectives, plans, and actio patterns in the light of evolving situations. Prerequisites: 341, 440.
449–1 to 4 Independent Study in Business Administration. An investigation topical areas in greater depth than regularly titled courses permit. Individu or small group readings and projects. Prerequisite: consent of instructor a faculty chairman.
526–4 Managerial Economics.
540–4 Concepts of Managerial Performance.
541–4 Business and Its Legal Environment.
543–4 The Administrator.
544–4 The Methodology of Business Research.
545–4 The Social Framework of Business.
548–4 Seminar in Managerial Performance.
549–4 Corporate Policy Formulation and Administration.
559–4 Seminar in Marketing.
593–4 Seminar in the Operational Aspects of the Firm.
599–2 to 9 Thesis.

Geography

SB 203b–4 American Politics in the World Environment.
)2–4 Introduction to Physical Geography. A study of the earth's physical ırface, world distribution patterns of the physical elements, their relationship each other, and their importance to man. Field trip and laboratory work.
)4–4 Introduction to Economic Geography. Study of the spatial distribution ıd interaction of economic activities. Introduction to locational theory. Pre-quisite: GSB 203b.
)6–4 Introduction to Cultural Geography. An overview of the geographic ewpoint in the study of the human occupance of the earth. Aspects of popu-tion, settlement, and political geography, and a generalized survey of major orld cultural areas.
)8–3 Introduction to Geographic Methods. Designed to introduce the geo-aphic methods of integrating physical, economic, and cultural elements in e study of areas. Cartographic and quantitative techniques utilized.
.0–8 (4,4) Introduction to Cartographic Methods. Properties of maps and r photos, their uses and sources; map symbols, map projections, and map nstruction. Introduction to the use of quantitative techniques as applied geographic study. Laboratory.
SA 312–3 Conservation of Natural Resources.
SA 322–3 Introduction to Rocks and Minerals.
SA 330–3 Weather.
SA 331–3 Climate.
43–4 Teaching of Geography. Presentation and evaluation of methods of aching geography. Emphasis upon geographic literature, illustrative ma-rials, and teaching devices suitable to particular age levels.
SB 351a–3 Geographic and Cultural Background of Developing Africa.
SB 354–3 Industrial Economic Geography.
)2–10 (4,3,3) Physical Geography I. (a) Soils, (b) climate, (c) water. Pre-quisite: GSA 110a.
)3–8 (4,4) Physical Geography II. (a) Geomorphology. (b) Physiography. rerequisite: GSA 110.
)4–10 (4,3,3) Urban Geography and Ecology. (a) Urban Geography and cology. (b) Industrial Location. (c) Economic Development. Prerequisite:)4.
)5–7 (4,3) Location of Economic Activities II. (a) Marketing and location eory. (b) Transportation. Prerequisite: 304.
)6–7 (4,3) Cultural Geography I. (a) Population. (b) Settlement Geography. rerequisite: 306.
)7–7 (4,3) Cultural Geography II. (a) Political geography. (b) Historical ography.
.0–8 Quantitative Methods in Geography. Statistical and computer research chniques for geographers. (Same as Government 410 and Sociology 410.)
.6–8 (4,4) Cartography. Instruction and practice in (a) thematic mapping, (b) animetric mapping. Prerequisite: 310a.
.7–3 Air Photo Interpretation. Techniques in the use of air photos as source aterial for research in the physical and social sciences. Laboratory. Pre-quisite: 310a or consent of instructor.
24–4 Regional Problems in Conservation. The distribution, use, and inter-lationship of the resources of the U.S. and the conservation techniques plied to them.
26–12 (4,4,4) Photogrammetry.
50–3 to 15 Travel Study Course. Enrichment through travel, supervised study, ıd readings on areas visited.
51–7 (4,3) Regional Geography of Anglo-America. (a) Present day United tates and Canada. (b) Specific concentration on certain areas and topics.
52–7 (4,3) Regional Geography of Europe. (a) A general survey of the area.) Special concentration on a region and topics.
53–7 (4,3) Regional Geography of Mediterranean Lands and Southwestern sia. (See 462.)
54–7 (4,3) Regional Geography of Soviet World. (See 462.)
55–7 (4,3) Regional Geography of Africa. (See 462.)
56–7 (4,3) Regional Geography of Asia. (See 462.)
57–7 (4,3) Regional Geography of Latin America. (See 462.)

468–7 (4,3) Advanced Regional Geography: Oceania. (See 462.)
470–20 (4,4,4,4,4) Urban Planning. (a) History of planning, (b) plann codes and ordinances, (c) housing and community facilities, (d) plann problems, (e) planning internship. Prerequisite: 308.
471–8 (4,4) Regional Planning. (a) Regional planning, (b) location of urb and regional economic activity. Prerequisite: 470a.
475–4 to 8 Methods of Field Geography. Application of geographic field te niques.
490–1 to 2 (8 total) Tutorial in Geography. Individual and small group c ferences with staff members to examine geographic concepts.
500–4 Geographic Techniques I.
501–4 Geographic Techniques II.
511–4 Philosophy of Geography.
515–4 to 6 Field Course.
520–2 to 8 Seminar in Physical Geography.
521–2 to 8 Seminar in Economic Geography.
522–2 to 12 Seminar in Regional Geography.
523–4 Seminar in Cartography.
524–2 to 8 Seminar in Cultural Geography.
527–2 to 8 Seminar in Urban and Regional Planning.
530–2 to 10 Independent Studies in Geography.
570–4 Philosophy, Theory, and Practice of Planning.
571–4 (2,2) Environmental Aspects of Planning.
572–8 (4,4) Quantitative Planning Research.
573–8 (4,4) Urban Renewal.
574–10 (4,4,2) Urban Planning Design Studio.
575–4 (2,2) Urban Planning Analysis.
576–2 to 8 Planning and Design Seminar.
577–2 to 8 Seminar in Urban Problems.
599–2 to 9 Thesis.

Government

200–4 Introduction to Political Science. A general introduction to the stu of politics with emphasis on contemporary theories for ordering political sy tems, the institutions of government and their processes, and the social roc of political behavior.
GSB 318–6 (3,3) American State and Local Government.
320–4 Introduction to Public Administration. A study of principles and pro lems of administrative organization and co-ordination, personnel and fisc management, regulatory administration, and public responsibilities of a ministrative agencies. Prerequisite: GSB 203a.
321–1 to 6 Readings in Government. Prerequisite: consent of instructor.
330–2 Illinois Government. The development and functioning of governme in Illinois.
340–12 (4,4,4) American Political Institutions. (a) The American Chi Executive. A review of the legal, political, and administrative responsibiliti of the chief executive in national, state, and local political units in tl United States, with emphasis on the national level. (b) The American Legi lative Process. An investigation of the legislative organization and process in Congress and state legislatures. (c) The American Judicial System. survey of the nature, purposes, and limitations of law as administered a interpreted by courts. The development, organization, and operation of tl American judicial system with emphasis on the federal level. Prerequisit GSB 203a.
345–8 (4,4) American Political Parties and Interest Groups. (a) A study the historical development of American political parties. (b) An analysis contemporary American political parties and interest groups. Prerequisit GSB 203a.
350–12 (4,4,4) The Political Systems of Major European States. (a) A cor parative study of the British and German political systems. (b) An analys of the French and Italian political systems. (c) An examination of the o ganization and operation of the Soviet political system. Prerequisite: 20
355–16 (4,4,4,4) Political Systems of Major Non-European States. (a) Lat America. An examination of the political systems of five representati

states: Mexico, Brazil, Ecuador, Cuba, and Uruguay. **(b)** Asia. An analysis of four major political systems: China, Japan, India, and Indonesia. **(c)** Africa. A survey of African political systems. **(d)** Near and Middle East. A study of the major nation-states.

370–4 Introduction to International Relations. The nation-state system, diplomatic practice, problems of national interest, power, ideology, and conflict; strategy and instruments of foreign policy. Prerequisite: GSB 203a.

385–4 Introduction to Political Theory. An introduction to the basic concepts and topics of political theory. Prerequisite: 200.

410–8 Quantitative Methods in Political Science. Statistical and computer research techniques for political scientists. (Same as Geography 410 and Sociology 410.)

421–4 Public Personnel Administration. An analysis of problems of recruiting, retaining, and developing public service employees and related topics such as political neutrality, motivation, security, and manpower planning. Prerequisite: 320.

422–4 Public Financial Administration. A survey of the problems encountered in the administration of public financial resources, including budgeting, accounting, auditing, and fiscal and monetary policy. Prerequisite: 320.

423–4 Comparative Public Administration. An introduction to the administrative organization and practice of selected Western and non-Western nation states. Prerequisite: 320.

424–4 Administrative Law. A study of the principles of administrative law in the United States with special emphasis on the law of public officers and on legal procedure for the enforcement of bureaucratic responsibility. Prerequisite: 320.

429–4 Topics in Public Administration. An intensive study of an administrative problem or process. Primarily for government students with advanced standing. Prerequisite: 320.

445–12 (4,4,4) American Political Behavior. (a) American Voting Behavior. Survey of studies of American elections emphasizing the psychological, sociological, and political-legal bases of voting behavior. **(b)** Personality and Politics in the United States. A survey of research findings concerning the relationship of psychological and sociological characteristics to the political process. **(c)** Public Opinion, Propaganda, and the Mass Media in the United States. A survey of research findings concerning the relationship of communications content and communications media to the political process. Prerequisite: GSB 203a.

448–4 Intergovermental Relations in the United States. An introduction to the relationships—political, legal, fiscal, administrative, etc.—between and/or among the national, state, and local governments. Prerequisites: GSB 203a, GSB 318 or consent of instructor.

449–4 Topics in American Politics. An intensive examination of one significant facet of the American political system. Primarily for government students already having had considerable course work in the area. Prerequisite: GSB 203a.

456–4 Topics in Comparative Politics. A selective and detailed study of a major question of relevance to students of comparative politics. Prerequisite: 350 or 355.

472–8 (4,4) International Organizations. (a) General International Organizations. Description and analysis of both past and contemporary general international organizations, with special emphasis on the principles, structure, decision-making processes, operations, and problems of the United Nations and its related agencies. **(b)** Regional International Organizations. Examination and comparative analysis of the foundations, nature, and functioning of contemporary regional organizations, their relationship to the United Nations System, and their role in world politics. Attention is focused on such bodies as NATO, the Warsaw Pact, the OAS, SEATO, the Commonwealth, the Arab League, the Organization for African Unity, the European Communities, Comecon, and Lafta. Prerequisite: 200.

473–12 (4,4,4,4) Foreign Politics of Major Powers. (a) American Foreign Policy. Institutional framework and decision-making processes of American foreign policy; idealist and realist schools of thought; the national interest in historic and geographic perspective. **(b)** Soviet Foreign Policy. Analysis of objective strategy, and tactics of Soviet foreign policy, with emphasis on the combination of conventional and unconventional instruments including

role of Communist parties. (c) Foreign Policies of Western European States. Analysis of foreign policies of the major European powers, with emphasis on structural changes incident to the two world wars and the dissolution of colonial empires. Prerequisite: 370.

479–4 Topics in International Relations. A detailed study of a selected topic. Primarily for government students with advanced standing. Prerequisite: 370.

481–8 (4,4) Descriptive Political Theory. (a) Contemporary Systematic Political Theory. Intensive study of major contemporary attempts to devise a general systems theory of politics. (b) Contemporary Political Analysis. The character of scientific inquiry as it relates to the discipline of political science. Prerequisite: 200.

484–12 (4,4,4) History of Western Political Theories. Various topics are employed as analytical tools in the chronologically successive examination of certain theories in the history of Western political thought. (a) The theories of Plato, Aristotle, the early and middle Stoa, Cicero, Augustine, and Aquinas. (b) The theories of Machiavelli, Bodin, Hobbes, Locke, Montesquieu, Rosseau, Burke, and Bentham. (c) The theories of Publius, Hegel, Compte, Mill, Marx, Green, Kropotkin, Sorel, the Fabians, and John Dewey. Prerequisite. 385.

486–3 Workshop on Teaching the American Political Heritage. The major concepts and topics of the American political heritage including myth, symbol, signal, natural rights, limited government, libertarianism, totalitarianism, and socialism; and methodological tools which aid communication of those topics to elementary and secondary students in palatable and comprehensive form.

487–6 (3,3) American Political Theory. A chronological examination of leading American political thinkers. The concepts and topics of political thought in the United States are examined in relation to both the political milieu of their given periods as well as the manner in which they contributed to a developing policy. (a) From Puritan thought to Alexis de Tocqueville. (b) From Calhoun to the present. Prerequisite: 385.

489–4 Topics in Political Theory. A comprehensive examination of the works of one major political thinker and the treatment of one major topic or idea by selected political thinkers. Primarily for government students with advanced standing. Prerequisite: 385.

495–12 (4,4,4) Constitutional Law. (a) A study of the development of American constitutional law chiefly through judicial opinion. Emphasis is placed on the analysis of federalism and the distribution of powers. (b) A study of government power and the rights of property. Special attention is directed to tension between the public welfare and private rights, the extent of government power to regulate property rights, and state versus federal power over commerce and taxation. (c) A study of the nature and extent of civil rights and liberties in the United States. Special attention is given to freedom of speech, press, and association, separation of church and state, equal protection of the laws, and the rights of persons accused of crime. Prerequisite: GSB 203a.

496–4 American Judicial Behavior. Introduction to the methods, goals, and limitations of behavioral research on American courts and judges. Attention given to the impact of technology on the judicial process. Prerequisite: 340c.

500–4 Scope and Method of Political Science.

514–3 Studies in Asian History and Politics.

521–1 to 12 Readings in Government.

529–2 to 9 Seminar in Public Administration.

545–2 to 9 Seminar in American Politics.

555–2 to 9 Seminar in Comparative Politics.

575–2 to 9 Seminar in International Relations.

585–2 to 9 Seminar in Political Theory.

590–2 to 9 Seminar in American Public Law.

595–2 to 6 Individual Research.

Health Education

205–4 Principles and Foundations of Health Education. Introduction to philosophy and history of health education as well as functions of the school health department and voluntary agency interaction in the health education program. Prerequisite for all 300-level courses and above.

300–3 Communicable Disease. A study of the communicable diseases with

emphasis on control and principles of prevention, and application of these principles to the individual school and community.
302–4 Driver Education and Training. Preparation of the college student for teaching driver education and training in the secondary school. Prerequisite: a valid driver's license.
313s–4 Introduction to Safety Education. Preparation for safety education in the public schools. Concerned with safety as a social problem, development of safety skills, accident causes, teacher liability, and research in the field.
334s–4 First Aid. Red Cross First Aid Course with lectures, demonstrations, and practical applications. Red Cross Instructor's Certificate given.
350–4 Methods and Materials in Elementary Health Education. Designed to show the prospective teacher fundamental processes, techniques, and material aids involved in elementary school health teaching.
355–4 Introduction to Public Health. Philosophy, organization, administration, and functions of federal, state, and local, official and voluntary public health agencies. Periodic field trips involved.
400–4 Health Appraisal of School Children.
415s–4 Workshop in Driver Education and Traffic Safety.
443s–4 Methods and Materials in Driver Education.
460–4 Methods and Materials in Secondary School Health Education.
461–4 Workshop in Health Education.
470–3 Workshop in Sex Education for Elementary Teachers. (See Elementary Education 470.)
471–4 Organization and Administration of School Health.
480s–4 Workshop in Safety Education.
525s–4 Organization, Administration, and Supervision of Safety Education.

History

100–3 Survey of Ancient Civilization. Ancient Period to 1000 A.D.
GSB 101–8 (4,4) Survey of Western Tradition.
102–4 Survey of Asian Civilization. An introduction to the history of East Asia from the earliest times to the twentieth century. Emphasis on China and Japan.
GSB 300–9 (3,3,3) History of the United States.
306–9 (3,3,3) History of Rome. (a) The Republic. (b) The Western Empire. (c) The Eastern Empire. Prerequisite: 100 or equivalent.
309–4 The Negro in America. The role of the Negro in America from the 17th century to the present with emphasis on the period since 1865.
312–4 Eastern Europe: 1815–1918. An analysis of the rise of nationalism with emphasis on Germany and Italy and of the problems of the Austro-Hungarian monarchy. Prerequisites: GSB 101b,c.
316–6 (3,3) History of Africa. (a) Africa from prehistoric to colonial times, including the historic African states. (b) Modern Africa south of the Sahara.
332–9 (3,3,3) Medieval History. (a) Early Middle Ages, 500–1000. (b) High Middle Ages, 1000–1300. (c) Late Middle Ages, 1300–1500. Prerequisite: sophomore standing.
338–6 (3,3) History of Greece. (a) Hellenic history. (b) 401–133 B.C. Prerequisite: sophomore standing.
341–9 (3,3,3) History of Religion in Western Civilization. A study of religious institutions, ideas, and practices in Western civilization and the relationship to society. (a) Ancient period to 12th century. (b) 12th century to present in Europe. (c) United States. May be taken separately or in any sequence. Prerequisite: GSB 101b,c.
352–9 (3,3,3) History of Latin America. (a) Colonial Latin America, (b) Independent Latin America, (c) Latin America in World Affairs. May be taken separately or in any sequence.
365–4 History of Chinese Civilization. A study of the march of Chinese civilization from prehistoric times to the present, stressing social structure, government institutions, and intellectual movements.
367–6 (3,3) History of the Far East. (a) Introduction to 1800, (b) 1800–1945. May be taken separately or in either sequence.
GSB 369–3 The Contemporary Far East.
372–9 (3,3,3) History of Russia. (a) 900–1801—The Early Empire. (b) 1801–1914—The Late Empire. (c) Since 1914—War, Revolution, and Soviet Russia.

GSB 380–6 (3,3) East Europe.
GSB 382–6 (3,3) History of Great Britain Since 1782.
401–8 (4,4) History of the South. (a) The Old South. (b) The New South. An intensive study of the social, economic, political, and cultural developments of the South.
405–3 The American Civil War. Emphasis upon the clash of national and sectional interests; economic, political, and military aspects of the conflict. Prerequisite: GSB 300b or consent of instructor.
408–6 (3,3) History of the Ancient Near East. (a) Earliest times to 1200 B.C. (b) 1200 B.C. to 300 B.C. Prerequisite: 100.
410–2 to 5 Special Readings in History. Supervised reading for students with sufficient background. Registration by special permission only. Offered on demand.
412–9 (3,3,3) Intellectual History of the U.S. (a) 17th, 18th centuries, (b) 19th century, (c) 20th century. Prerequisite: GSB 300a,b,c.
415–12 (4,4,4) Early Modern Europe. (a) Renaissance. (b) Reformation. (c) Age of Absolution and Enlightenment. Prerequisite: GSB 101b,c.
417–16 (4,4,4,4) Advanced English History. (a) Constitutional and Legal History to 1485. (b) Tudor England, 1485–1603. (c) Stuart England, 1603–1714. (d) The Empire-Commonwealth. Prerequisite: GSB 101b,c.
420–4 The French Revolution. A sketch of the passing of feudalism in France, the background and development of the revolutionary movement, and the Napoleonic period. Prerequisite: GSB 101b.
422–12 (4,4,4) History of the Near East. (a) The formation of Islamic civilization. 500–945 A.D. (b) Medieval Islamic civilization. 945–1789 A.D. (c) The Modern Near East. 1789 to the present. Prerequisite: GSB 101b,c.
425–6 (3,3) American Colonial History. Founding of the American colonies and the development of their institutions to 1763. Prerequisite: GSB 300a.
426–4 The Revolution and the Constitution. A study of the conflicting forces which produced the American Revolution, led to the creation of the federal union, and shaped the early republic. Prerequisite: GSB 300a.
428–4 The Age of Jackson. Origins, background, and development of that phase of American democracy associated with the Jacksonian era. The political, social, and economic history of the years 1815–1844 considered in detail. Prerequisite: GSB 300a.
430–9 (3,3,3) Late Modern Europe. (a) Age of Revolution, 1815–1880. (b) 1880–1918. (c) Since 1918. Age of Dictatorships. Prerequisite: GSB 101c.
435–12 (3,3,3,3) Advanced American History. (a) 1865–1896. (b) 1896–1919. (c) 1919–1939. (d) 1939 to present. Prerequisite: GSB 300 a,b,c.
437–6 (3,3) American Military History. (a) The development of American military institutions and their place in American society to 1914. (b) The increasing power and influence of the military establishment in an era of global conflict. Prerequisite: GSB 300.
440–9 (3,3,3) History of American Diplomacy. (a) To 1913. (b) 1913 to 1945. (c) Recent problems in diplomacy. Prerequisite: GSB 300 a,b,c.
445–3 The Russian Revolutions: 1900–1930. A study of the revolutions and civil war of 1971–1921 within the context of the problems which Russia encountered under the Tsarist regime, the Tsarist government's efforts to solve them, and the extent to which the Soviet government continued or changed Tsarist policies. Delineation of the relationship between Russian and Communist elements in shaping Russian Communism.
451–3 A Survey of Historical Writing. Development of history as a written subject, including works and philosophy of the various historians in ancient, medieval, and modern periods. Prerequisite: GSB 101b,c.
452–3 Historical Research and Thesis Writing. (For students with history concentrations.) The rules of historical research studied and applied to a definite topic. Prerequisite: junior standing.
454–3 Biography in American History. Outstanding leaders and their contributions to the history of the United States. Attention to historical writers who specialize in biography. Prerequisite: a course in U.S. history.
458–8 (4,4) History of Science. (a) Science and civilization to 1500 A.D. (b) Western science since 1500 A.D. Prerequisite: GSB 101b,c.
460–9 (3,3,3) Social and Intellectual History of the Middle Ages. (a) 500–1000. (b) 1000–1250. (c) 1250–1500. Prerequisite: GSB 101b.
470–3 Argentina, Brazil, and Chile. A narrative and comparative study of the independent era of the history of the three leading states of South America.

471–6 (3,3) History of Mexico. (a) 19th century. (b) 20th century. Significant political, economic, diplomatic, social, and cultural aspects of Mexican life from independence to modern Mexican life.
473–6 (3,3) The Caribbean Area. (a) Island States of the Caribbean. (b) Central American Area.
474–3 United States-Mexican Relations.
500–3 to 9 History Seminar.
510–2 to 5 Readings in History.
511–3 Studies in the Middle Ages.
512–3 Studies in Nineteenth Century Europe.
513–4 Problems in Ancient History.
514–3 Studies in Asian History and Politics.
515–3 Current United States History and Problems.
519–4 The Age of Jefferson.
530–4 City-States of the Italian Renaissance.
534–4 Eighteenth-Century England.
540–4 American Reform Movements.
545–3 Problems in Russian History.
553–3 New Viewpoints in American History.
554–4 Problems in 19th Century America.
575–9 (3,3,3) Studies in Latin American History.
599–1 to 9 Thesis.

Honors Hours

101, 201, 301, 401–12 (1 to 4) Academic Affairs. Special and pertinent activity, designed and supervised by carefully selected faculty members, suited to advance the educational development of a Deans College student. (e.g. work on a specific project, progress through a set of assigned readings, preparation of a major paper, etc.)

Humanities

301–3 to 4, 302–3 to 4, 303–3 to 4 Humanities Honors. Prerequisite: completion of the second-level General Studies courses and invitation of the Humanities Honors Program Committee. Accepted in lieu of third-level GSC requirement.

Instructional Materials

308–4 School Library Technical Processes. Organization of library materials for effective service. Acquisition, classification, cataloging, preparation, preservation, and circulation. Laboratory assignments.
403–4 School Library Functions and Management. Effective library services in relation to the educational objectives of elementary and secondary school programs: organization, supervision, finance, housing, equipment, standards, and evaluation.
405–4 Library Materials for Children. Study of the aids, methods, and criteria for the selection and use of books and other instructional materials for children in the elementary schools. Open to juniors with consent of instructor.
406–4 Library Materials for Adolescents. A study of the aids, methods, and criteria for the selection and use of books and other instructional materials for students in the high school. Open to juniors with consent of instructor.
407–4 Basic Reference Sources. Evaluation, selection, and use of reference sources for elementary and secondary school libraries. Principles and methods of reference service.
410–4 Public Library Administration. Administration of municipal, county, and regional libraries, both large and small, with emphasis on meeting the needs of different types of communities.
413–4 Cataloging of Non-Book Materials. The classification, cataloging preparation, and circulation of all types of non-book material such as films, filmstrips, slides, realia, etc. Prerequisite: 308.
417–4 Audio-Visual Methods in Education. Selection and utilization of instructional materials in the learning environment, elementary through adult

levels. Audio and visual materials and procedures are emphasized with some attention given to bibliographies and reference books for teachers.
420–4 School Library Activities and Practice. Supervised practice and observation integrated with instruction in typical activities of school librarianship: storytelling, publicity, developing units of library instruction, and work with students. Prerequisites: 308, 403, 405.
422–4 Book Selection. Principles for selection and evaluation; use of standard selection aids, reviews and annotations, including policies governing the building and maintenance of the collection.
430–2 Basic Audio-Visual Maintenance Techniques. Basic instruction in simple maintenance techniques required to keep audio-visual equipment operating in instructional situations. Useful in media centers without services of an audio-visual technician. Laboratory type course with short lectures.
440–2 Photography for Teachers. Techniques of picture-taking and the preparation of color slides of community resources for use in classroom instruction and for school public relations.
445–4 Preparation of Teacher-Made Audio-Visual Materials. Laboratory practice in the preparation of bulletin boards, opaque materials, models, slides, recordings, feltboards, and other graphic materials. Prerequisite: 417 or consent of instructor.
456–4 Graphics for Instructional Television. Preparation of visual materials for instructional television programs for teaching in home schools. Prerequisite: 445.
457–4 Radio and Television in the Classroom. Educational programs and their value to the teacher in the classroom. Sample tapes of radio programs and kinescopes are used.
458–4 The Medium of the Motion Picture. A study of the full range of expression by motion pictures including the documentary, theatrical, educational, experimental, and industrial films. Representative films are screened.
470–4 Programmed Automated Instruction. The principles and practices of writing both linear and intrinsic types of programmed instruction with emphasis on pictorial and performance branches. Individual experience in planning and producing programs.
510–4 Mass Communications in Education.
514–4 Survey of Research and Development in Instructional Materials.
530–4 History of Books and Libraries.
546–4 Integration of Audio-Visual Materials in the Classroom.
547–4 School Film and Filmstrip Production.
548–4 Supervision and Administration of an Audio-Visual Program.
549–4 Visual Learning.
554–4 Administration of an Instructional Materials Center.
560–4 Seminar in Instructional Materials.
576–2 to 8 Problems in Instructional Materials.

Journalism

101–3, 102–3 Introduction to Journalism, I, II. Development of the newspaper and other media in America; role of the press in modern society.
103–3 News. Study of the newspaper story with experience in writing and rewriting news; the fundamentals of copyreading.
201–3, 202–3, 303–3 News Writing and Editing, I, II, III. How to cover assignments and write news stories; preparation of copy for publication; writing headlines; laboratory exercises.
330–3 Editorial Writing. The work and responsibility of the editor and editorial writer with emphasis upon editorial writing and thinking. Editorial problems, methods, policies, and style.
340–3 The Law of Journalism. Legal limitations and privileges affecting publishing, fair comment, criticism, contempt of court, right of privacy, copyright, and legal provisions affecting advertising.
345–3 History of Journalism. Development of American journalism with emphasis upon the struggle for freedom of the press, leading editors, outstanding newspapers and periodicals.
370–4 Principles of Advertising. Advertising fundamentals in relation to modern business activities; economic and social aspects, research, media, appeals, production, schedules. Prerequisite: GSB 103b.
391–3 Feature Writing. How to plan and write newspaper features and special articles.

402–2 to 8 Journalism Practicum. Study, observation, and participation in publication of the campus newspaper, and/or participation in a comparable professional setting, with the number of credit hours to be determined by agreement of the instructor and the student's adviser in his concentration. Prerequisite: consent of instructor.

Management Science

311–4 Statistical Analysis for Business Decisions. A continuation of statistical concepts as applied to business, including analysis of variance, correlation and regression analysis, stochastic processes, and probability distributions. Prerequisites: 380, GSD 114d.

313–4 Introduction to Quantitative Methods. Introduction to modern mathematical concepts and methods applicable to business decisions including matrix algebra, linear programming, and elementary calculus. Prerequisites: 311, GSD 114a.

315–4 Probabilistic Decision Methodology. The study of business problems under conditions of uncertainty. Inventory, queueing, and other models are studied using analytical and simulation techniques. Prerequisite: 313.

380–4 Management Systems I. A study of organizational decision making within the concept of systems with emphasis on information flows, decision centers and the application of data processing techniques. A major portion of the course is student development of an information, decision-making, and control system for a specific small-scale business enterprise. Prerequisite: GBA 140.

381–4 Management Systems II. A study of the complexities involved in the simultaneous integration of several sub-systems. Teams of students design company or corporate-wide management operating systems. Prerequisites: 315, 380.

382–4 Management Systems Simulation. Presentation of theoretical and practical aspects of simulation techniques in the evaluation of design and control of management systems. Construction of simulation models to evaluate the effectiveness of a systems model. Prerequisites: 315, 381.

480–4 Management Systems III. The study of organizations from a total systems concept—integrated decision, physical, and information systems. Prerequisite: 381.

489–1 to 4 Independent Study in Management Science. An investigation of topical areas in greater depth than regularly titled courses permit. Individual or small group readings or projects. For qualified seniors. Prerequisite: consent of instructor and faculty chairman.

513–4 Deterministic Models in Decision-Making.

518–4 Seminar in Probabilistic Models.

580–4 Management Systems.

583–4 Advanced Management Systems.

588–4 Seminar in Management Systems.

592–4 Seminar in Managerial Systems.

Marketing

370–4 Consumer Behavior. An interdisciplinary approach to the analysis and interpretation of consumer buying habits and motives and the resultant purchases of goods and services. The purchaser's psychological, economic, and sociocultural actions and reactions are stressed as they relate to a better understanding of consumption. Prerequisites: GSB 103a,b, GSB 201c, Economics 201, and Quantitative Methods 211.

371–4 Principles of Marketing Management. An introductory survey of the problems encountered by the marketing executive and the analytical and evaluative systems available which can be used to improve his operating efficiency. Emphasis is placed on the use of marketing management factors in the areas of markets, products, distribution, price, and promotion. Prerequisite: 370.

452–4 Physical Distribution Management. A systematic, integrated treatment of problems of managing the flow of raw materials, parts, semi-manufactured and finished goods from their sources to the ultimate consumer. Stress on the application and logic of quantitative decision tools to the problems of spatial

relationships of plant capacity and storage facilities and their connecting transportation linkages. Prerequisites: 470, Quantitative Methods 310.
470–4 Marketing Research. A development of the concepts necessary for understanding and performing research in the area of marketing. The basic procedures and theories underlying research are investigated, evaluated and applied to marketing decision making. Market, advertising, and sales research. Prerequisites: 371, Quantitative Methods 211.
471–4 Advertising Policy and Management. Advertising strategy, planning, and research and their relationship to other marketing tools. Emphasis on problems faced by marketing and business executives in administering the advertising effort. Prerequisite: 470.
472–4 Sales Policy and Management. An examination of the organization of the sales effort and of functions of salesmen and sales managers (including all echelons from the general marketing managers to the territory salesmen). Problem areas such as sales department organization, recruitment of salesmen and their motivation and supervision, design and administration of sales territories, appraisal of salesmen's performance. Prerequisite: 470.
473–4 Advanced Marketing Management. Development of the student's ability to identify marketing problems, investigate alternative solutions, and render decisions. Should be the final marketing course taken by the undergraduate marketing major. Prerequisite: senior standing.
479–1 to 4 Independent Study in Marketing. An investigation of topical areas in greater depth than regularly titled courses permit. Individual or small group readings and projects. For qualified seniors. Prerequisite: consent of instructor and faculty chairman.
570–4 Marketing Concepts.
573–4 Marketing Policies.
578–4 Seminar in Marketing.

Mathematics

101–4 Fundamental Mathematics. Basic notions of sets; number systems and their algebraic properties and some computational aspects; ordering of real numbers, inequalities, and absolute value; intuitive geometry; relations, variables, and functions. Individual instruction given as needed until completion of intermediate algebra. Ten lecture and laboratory hours per week. May not carry credit toward some degrees. Graded on pass-fail basis only.
150–8 (4,4) Elementary Calculus and Analytic Geometry. Elementary differential and integral calculus with analytic geometry and applications. Includes the definite integral and differentiation of transcendental functions. Must be taken in a,b sequence. Prerequisite: GSD 114c.
225–4 Programming for Digital Computers. An intensive course. Topics include computer organization and characteristics, machine language coding, flow charts, subroutines, symbolic coding, and compiler systems. Equipment of the University's Data Processing and Computing Center is used for applications. Prerequisite: GSD 114a.
250–4 Calculus and Analytic Geometry. Continuation of 150. Differential and integral calculus, applications, infinite series. Prerequisite: 150b.
305–4 Applied Mathematics for the Physical Sciences. (a) Ordinary differential equations, Laplace transforms, second order linear differential equations with singular points, special functions. Prerequisite: 250.
310–4 The Teaching of Elementary Mathematics. (For elementary education concentrations only.) A professional treatment of the subject matter of arithmetic methods and a study of trends and current literature on the teaching of arithmetic. Prerequisite: GSD 112–9.
311–4 The Teaching of Secondary Mathematics. A study of the nature and objectives of the secondary mathematics curriculum. Stress on the means of introducing new ideas into the high school program. For students preparing to be certified teachers of secondary mathematics. Does not count toward a mathematics concentration for Bachelor of Arts degree students. Prerequisites: 321, Secondary Education 315.
321–4 Elementary Matrix Algebra. Introduction to the algebra of matrices and theory of determinants: inverse of a matrix, rank and equivalence, linear equations, and linear dependence. Prerequisite: 150b.
335–6 (3,3) Concepts of Geometry. An elementary introduction to various

ometric systems to acquaint the student with the interrelationship between ometries of current interest. Topics include axiom systems, absolute plane ometry, Euclidean geometry, and non-Euclidean geometry. Must be taken a,b sequence. Prerequisite: 250.

0–8 (4,4) **Multivariable Calculus.** Linear algebra, vector calculus, functions several variables, the differential and integral calculus, directional deriva- es, maxima and minima, gradient, divergence and curl, line and surface in- rals, Green's theorem, Stoke's Theorem, and integrals independent of path. erequisite: 250.

5–2 to 12 **Readings in Mathematics.** Supervised reading in selected subjects. erequisites: 12 hours of 300- or 400-level mathematics, 4.0 average in mathe- tics and consent of chairman.

0–3 **History of Mathematics.** An introduction to the development of major thematical concepts. Particular attention given to the evolution of the ab- act concept of space, to the evolution of abstract algebra, to the evolution the function concept, and to the changes in the concept of rigor in the velopment of mathematics from 600 B.C. to the present time. Prerequisite: 350.

5–8 (4,4) **Applied Mathematics for the Physical Sciences II.** (a) Fourier ies and boundary value problems, solution of partial differential equations th singular points, special functions. (b) Tensor analysis, complex variables, een's function, integral equations. Must be taken in a,b sequence. May not used for graduate credit in mathematics. Prerequisite: 305.

0–16 (4,4,4,4) **Statistical Analysis.** For students in fields using statistical thods but not required to take calculus. Includes (a) elements of prob- ility, estimation, and testing hypotheses; (b) the general linear model ultiple linear regression, analysis of variance, analysis of covariance) and n-parametric statistics; (c) design of experiments; (d) sample survey tech- ues. May not be used to satisfy requirements for a mathematics concen- tion. Three lectures and two laboratory hours per week. Must be taken in her a,b,c,d or a,b,d,c sequence. Prerequisite: GSD 114a.

3–4 **Solid Analytic Geometry.** An algebraic study of equations of the first d second degree in three variables, with applications to geometry. Systems of nes; equations of lines in symmetric and parametric form. Spheres, cylin- s, surfaces of revolution. Matrix algebra; real orthogonal and symmetric trices. Coordinate transformations; orthogonal similarity. Quadratic forms d quadric surfaces; invariants; principal axes and planes. Prerequisite: 350a.

5–4 **Non-Euclidean Geometry.** An introduction to hyperbolic and elliptic ne geometry and trigonometry. Emphasis given to the nature and signifi- nce of geometry and the historical background of non-Euclidean geometry. erequisite: 250.

0–6 (3,3) **Fundamental Concepts of Algebra.** Introduces abstract algebraic uctures including groups, rings, fields, and vector spaces. Must be taken a,b sequence. Prerequisite: 321.

1–6 (3,3) **Linear Algebra.** The theory of determinants and systems of linear ations; vector spaces, linear independence, bases, dimension; linear trans- mations, change of base, similarity; quadratic and Hermitian forms, orthog- l and unitary transformations; triangular and diagonal form; eigenvalues d eigenvectors; normal matrices; nilpotent and idempotent matrices, the ctral theorem. Must be taken in a,b sequence. Prerequisite: 321.

3–3 **Theory of Numbers.** Topics in elementary number theory, including perties of integers and prime numbers, divisibility. Diophantine equations, d congruence of numbers. Prerequisites: 321, 350.

5–6 (3,3) **Mathematical Logic.** (a) Matrix and set theoretic development of propositional calculus, many-valued logics, modal logics. Completion and sistency proofs for the propositional calculus. (b) A formal development of predicate calculus and related problems. Must be taken in a,b sequence. erequisite: 420a or consent of instructor.

5–4 **Projective Geometry.** Introduction to the fundamental concepts of pro- tive geometry. Topics usually include the study of conics, polar systems of ics, homogeneous coordinates, cross-ratio, harmonic sets, duality, projectivi- s, and involutions. Prerequisite: 321 or consent of instructor.

5–3 **Theory of Point Sets.** General properties of sets; topology of plane sets; sed sets and open sets in metric spaces, homeomorphisms and continuous ppings, connectedness. Prerequisites: 350, 6 hours in courses numbered 300 higher.

5–2 to 4 **Modern Algebra for Teachers.** An introduction to algebra as a logi-

cal system, including groups, rings, and fields. Prerequisite: consent of instru tor.

442–2 to 4 Survey of Geometry. A survey of geometry, including projecti geometry, topology, etc. Prerequisite: consent of instructor.

445–2 to 4 Fundamental Concepts of Calculus. A careful study of the bas concepts of calculus offered as part of the special graduate program for se ondary school teachers. Prerequisite: consent of instructor.

446–2 to 10 Structure of Mathematics. Designed to assist experienced teache in extending their understanding of mathematics. (a) Elementary Scho Mathematics, (b) Junior High School Mathematics. Does not count crec toward a mathematics concentration. Prerequisites: experience in teachir consent of instructor.

447–4 The Structure of Secondary School Mathematics. Designed to ass experienced secondary school teachers in extending their understanding mathematics. May not be taken for credit after credit has been received for 4 and does not count toward a mathematics concentration. Prerequisites: e perience in secondary teaching and consent of instructor.

452–9 (3,3,3) Advanced Calculus. Fundamental concepts of analysis: limi continuity, differentiation, and integration. Major topics include partial diffe entiation, vector analysis, Riemann-Stieltjes integrals, multiple integrals, i finite series, improper integrals, uniform convergence, Fourier series, and li and surface integrals. Must be taken in a,b,c sequence. Prerequisite: 350.

455–9 (3,3,3) Advanced Mathematics for the Physical Sciences. Introductic to various topics such as complex variable theory with applications, operation calculus (Laplace and other transforms), vector field theory, and partial d ferential equations. May be taken separately or in any sequence. Prerequisite 305, 350.

458–6 (3,3) Finite Mathematics. An introduction to topics in finite math matics such as logic, sets, probability, linear algebra, and Markov chains. D signed for students preparing for high school teaching and for advanced st dents in the behavioral sciences. Prerequisite: 250.

460–4 Modern Geometry. Advanced topics in Euclidean geometry by the sy thetic method. Topics include the nine-point circle, Simson line, theorems Ceva and Menelaus, coaxial circles, harmonic sections, poles and polars, simi tude, and inversion. Prerequisite: 20 hours of college mathematics.

472–9 (3,3,3) Operations Research. Linear system problems, linear prograr ming and network problems; probabilistic systems, queueing and invento theory; digital simulation; time dependent processes, single and multi-chann time series analysis. Prerequisites: 225, 350a.

473–9 (3,3,3) Computer Science. (a) Introduction to assembly level prograr ming. Digital computer structures, characteristics, and number systems; oper tions, coding, systems programming. (b) Introduction to basic compiler theor Method of formal language definition, parsing, Polish string notation, ar hierarchy of operators. (c) Optimization techniques. Specific operational cor piler examples, class projects. Prerequisites: 225, 250.

474–6 (3,3) Introduction to Digital Systems Design. (a) Elementary numb systems, boolean algebra, hardware logic design and minimization technique (b) Digital computer fundamentals and input/output techniques, syster design and analysis. Prerequisites: 225, 250.

475–9 (3,3,3) Numerical Analysis. Introduction to approximation metho including finite differences and interpolation; numerical differentiation ar quadrature; least squares approximation; numerical solution of linear and no linear systems; numerical integration of systems of ordinary and partial diffe ential equations. Emphasis upon error analysis throughout. Must be taken a,b,c sequence. Prerequisites: 225, 305.

483–9 (3,3,3) Introduction to Mathematical Statistics. A mathematical dev opment of the elements of statistical theory. (a) Probability distributior generating functions, and limit theorems. (b) Statistical inference, estimatio tests of hypotheses, general linear hypotheses. (c) Design of experiments ar special topics—a mathematical model approach. Must be taken in a,b,c s quence. Prerequisite: 350.

501–9 (3,3,3) Real Variables.

505–9 (3,3,3) Theory of Ordinary Differential Equations.

510–4 Foundations of Mathematics.

520–9 (3,3,3) Modern Algebra.

530–6 (3,3) Point Set Topology.

–3 Differential Geometry.
–4 Groups and Linear Transformations.
–4 Intermediate Analysis for High School Teachers.
–1 to 10 Seminar.
–9 (3,3,3) Functional Analysis.
–9 (3,3,3) Complex Variables.
–9 (3,3,3) Advanced Topics in Numerical Analysis.
–9 (3,3,3) Advanced Topics in Applied Mathematics.
–9 (3,3,3) Mathematical Methods of Statistics.
–1 to 10 Special Project.
–1 to 9 Thesis.

Music

–3 (1,1,1,0) Bands. (a) Symphonic Band, (b) University Band, (c) Stage nd, (d) Instrumental Laboratory. May be taken in any sequence. Any t may be repeated. Prerequisite: a,c by audition; b,d by consent of in- ictor.

–7 (1,1,1,1,1,1,1) Choral Ensembles. (a) Collegiate Singers, (b) Univer- Chorus, (c) Male Chorus, (d) Women's Glee Club, (e) Southern Illi- s University Community Choral Society, (f) Madrigal Singers, (g) Con- t Chorale. May be taken in any sequence. Any part may be repeated for lve quarters. Prerequisite: auditions for a,f,g.

–1 University Symphony Orchestra.

–6 (1,1,1,1,1,1) Class Applied Music. Offered in all areas of applied music ept organ, harpsichord, and harp. Includes minimum instruction required passing proficiency examinations in piano and voice. Offer practical train- in basic principles of playing instruments of orchestra and band. In- ductory techniques and methods for teaching instrumental and choral ups in elementary and secondary schools. May be taken in any sequence.

a. Strings
b. Woodwinds
c. Brass
d. Percussion
e. Piano
f. Voice

–12 (4,4,4) Theory of Music. Fundamentals of music through sight sing- dictation, written and keyboard harmony. Must be taken in a,b,c sequence. requisite: piano proficiency or concurrent enrollment in 010e.

, 206–15 (5,5,5) Technics and Literature of Music Practice. Theoretical historical study of music of all periods from plainsong and folksong to present; performance and analysis of music within a historical frame- k which forms the basis for ear-training, sight-reading, conducting, composition. Five class periods weekly plus laboratory and drill sessions. requisite: piano proficiency or concurrent enrollment in 010e.

, 240, 340, 440, 540–2 or 4 Private Applied Music. Offered at five levels he areas listed below. Credit is given at 2 or 4 hours on each level. Con- with adviser for details of credit and requirements. May be repeated for e quarters at each level. Students with a concentration in Performance ally take 4 hours. Concentrations in Music Education and all secondary centrations usually take 2 hours. Prerequisite for 140: music concentration econdary concentration or consent of music faculty. Prerequisite for higher els: three quarters at the previous level on the same instrument or consent.

a. Violin
b. Viola
c. Cello
d. String Bass
e. Flute
f. Oboe
g. Clarinet
h. Bassoon
i. Saxophone
j. Percussion
k. Piano
l. French Horn
m. Trumpet
n. Trombone
o. Tuba
p. Baritone
q. Voice
r. Organ
s. Harpsichord
t. Harp
u. Classical Guitar

-0 Recital Class.

-3 Fundamentals of Music. Rudiments of music for those with little or no ical background. Recommended as a course preliminary to 300 (not for ic concentrations). May be taken concurrently with 010e.

205–9 (3,3,3) Theory of Music. Advanced harmonic techniques, modulatio altered chords, chromatic harmony, counterpoint, and introduction to co temporary harmonic principles. Must be taken in sequence. Prerequisite: 10
206–15 (5,5,5) Technics and Literature of Music Practice. (See 106.)
240–2 or 4 Private Applied Music. (See 140.)
300–3 Music Education—Elementary. (For non-music concentration only Teaching music in the elementary grades. Prerequisite: 200 or equivalent.
301–9 (3,3,3) Music Education. (a) Music in the elementary school curric lum, grades K-6. Analysis of instructional materials, development of rhythm and melodic expressions, creative, instrumental, listening activities. Creating musical environment in the classroom. (b) Junior high school: Curriculu organization, and administration of choral, instrumental, and general mus classes; resource units; the adolescent voice. (c) Senior high school: Curric lum, organization, and administration of choral, instrumental, and gener music classes. May be taken in any sequence. For music concentration onl
307–4 Recreational Music. For those interested in the less formal approa to music and for prospective leaders for recreational activities.
309–6 (3,3) Orchestration. The techniques of writing for orchestral instr ments. Must be taken in a,b sequence. Prerequisite: 205c.
312–6 (3,3) Composition. (a) Original composition in the smaller forms f piano, voice, string quartet, and other small combinations. (b) Original comp sition in the larger forms. Must be taken in a,b sequence. Prerequisite: 205
318–6 (3,3) Conducting. (a) General: Fundamental conducting patterns, si of beats, use of each hand; conducting experience with laboratory groups bo choral and instrumental; discussion and study of musical terminology. (b Choral and Instrumental: Continued conducting experience through laborato group; study of rehearsal techniques, balance, blend, and the relationship parts to the total ensemble; evaluation and analysis of literature suitable f school groups of all levels of ability. Must be taken in a,b sequence.
326–6 (3,3) Analysis. (a) Analysis of the important musical forms and styl from plain song through the 12-tone technique with emphasis on forms of t 18th and 19th centuries. (b) Analysis of the larger homophonic and contr puntal forms from the 18th century to the present. Must be taken in a,b s quence. Prerequisite: 205c or consent of instructor.
340–2 or 4 Private Applied Music. (See 140.)
355–4 (1,1,1,1) Chamber Music Ensembles. (a) Brass, (b) Woodwinds, (c Strings, (d) Percussion. May be taken in any sequence. Any part may b repeated for 12 quarters. Prerequisite: consent of instructor.
357–9 (3,3,3) Music History and Literature.
358–3 Jazz. Jazz forms and styles: development, illustrations, and perform ances.
401–3 Psycho-Physiology of Music. The essential human capacities, their r lationship to musical potentials and development as well as with the acoust cal foundations of the world of music.
411–9 (3,3,3) Music Literature. (a) Symphonic Literature. Development the symphony and the symphonic poems to 1900. **(b) Choral Literature.** Th literature of the larger vocal forms such as the cantata and oratorio to 190 **(c) Chamber Music Literature.** Chamber music literature from the Renai sance to the present.
420–1 Music Education Practicum. A shop-laboratory course dealing with th selection, adjustments, maintenance, and repair of musical instruments.
440–2 or 4 Private Applied Music. (See 140.)
442–6 (3,3) Contrapuntal Form.
451–3 Teaching General Classroom Music.
453–4 to 6 Workshop in Common Learnings in Music.
455–2 to 6 Elementary Music Education Workshop.
461–6 (3,3) (a) Teaching Techniques and Materials for the Beginning an Intermediate Levels. Designed to meet the needs of applied students in whic the problems of private studio teaching and college-level teaching are di cussed. **(b) Teaching Techniques and Materials for the Advanced Studen** Prerequisite: 461a.
462–2 Teaching Techniques and Materials for the Advanced Student.
465–3 Development and Teaching of Strings. Place and function of strin education in the elementary and secondary schools. Techniques of heterogen ous and homogeneous string teaching. Developing and sustaining interest i the string program. Resource aids. May be repeated for a total of 9 hou credit. Prerequisite: senior standing.

381–2 to 6 Readings in Music Theory.
382–2 to 6 Readings in Music History and Literature.
383–2 to 6 Readings in Music Education.
399–1 to 3 Independent Study. The capable student engages in original investigations with faculty specialists. May be repeated for credit. Prerequisite: consent of instructor.
401–3 Introduction to Graduate Study in Music.
402–9 (3,3,3) History and Analysis of Musical Style.
414–2 to 6 Collegium Musicum.
415–3 20th Century Literature.
418–3 Pedagogy of Music Literature.
419–9 (3,3,3,) Vocal Pedagogy and Literature.
420–3 American Music.
422–3 Seminar: Music History and Literature.
435–3 Contemporary Idioms.
440–2 or 4 Private Applied Music. (See 140.)
450–8 (4,4) Organization and Administration of the Music Education Program. (a) elementary, (b) secondary.
453–6 (3,3) Seminar in Materials and Techniques. (a) choral. (b) instrumental.
454–3 Seminar in Instrumental Materials and Techniques.
456–3 Advanced Conducting.
460–2 to 6 Seminar in Music Education.
466–1 Instrumental Ensemble.
467–1 Vocal Ensemble.
499–3 to 9 Thesis.

Nursing

Courses on the 300 level are open only to students concentrating in nursing.

300–12 (4,4,4) Nursing and Community Health. (a) A survey of professional nursing and the nurse's role in community health. Observation in a variety of community agencies. (b) Fundamental skills basic to all clinical nursing. Administering beginning patient-centered nursing care to patients in community clinical facilities. (c) Basic principles and skills related to the fields of pathology and pharmacology. Through a problem-solving process, students plan and administer patient-centered nursing care in community clinical facilities.
301–8 Maternal and Newborn Nursing. Developing a concept of family-centered care for mothers and newborns. The aspect of nursing necessary to provide effective care throughout the maternity cycle—antipartum, intrapartum, puerperium, and care of the newborn. Opportunities to participate in prenatal care in a clinic setting. Concurrent clinical laboratory within an appropriate setting. Prerequisite: 280c.
302–8 (4,4) Nursing of Children. Developing a concept of family-centered care for infants and children. Planning nursing care based upon the developmental needs of the child as a person, and the problems confronting him and his family. (a) the needs of the child with respiratory embarrassment; inflammatory reaction; and circulatory impairment. (b) the needs of the child with metabolic disturbance; change in body image; and disturbance of consciousness.
303–8 (4,4) Medical-Surgical Nursing. The nursing intervention and underlying scientific principles relevant to the care of the adult during illness. (a) the care of the adult having a problem maintaining gaseous exchange, maintaining transportation of material to and from cells, and maintaining body defenses. (b) the care of the adult having a problem maintaining metabolism, maintaining body image, and maintaining consciousness. Prerequisite: junior standing.
304–2 Social Forces in Nursing. A study of nursing at the present time in relation to historical and other influences upon it, and the implications for its future developments.
310–8 (4,4) Medical-Surgical Nursing. (a) The care of the adult having a problem maintaining locomotion and maintaining absorption of nutrients and elimination of waste. (b) The care of the adult having a problem maintaining perception and maintaining generative function. Prerequisite: senior standing.
320–8 Psychiatric Nursing. (a) Understanding psychiatric nursing premises in: developing basic skills in observing and interpreting behavior; communicating

effectively and establishing meaningful relationships with others. **(b)** Understanding and effectively meeting needs of patients manifesting various behavioral disturbances in living.

370–8 (4,4) Community Health Nursing. Gaining greater depth of knowledge as well as breadth of experience in professional nursing for the senior student. The period of practice in the actual community affords the student an opportunity to synthesize and to apply previous learnings in all areas of nursing as she works with families and community groups in the community setting. **(a)** Family health supervision and care of the sick in the home with emphasis on the process and methods. **(b)** A continuation of (a) with emphasis on settings other than family health service, although students carry their assigned families for the two quarters. Occupational and school health nursing, working with groups, and study of the community.

382–6 Leadership in Nursing. The need for responsible leadership in nursing. Basic principles of administration and supervision as means of developing effective relationships within health and nursing teams and other institutional and community situations.

384–2 Senior Seminar. Study in areas of nursing which present certain professional, national, and international challenges. Prerequisite: senior standing.

385a,b,c,d–1 to 4 Independent Study. Student projects and study carried out under guidance in investigation of a problem in an area of interest. A maximum of 3 hours may be taken in one quarter. Prerequisites: consent of instructor and dean, closed class card.

Personnel and Industrial Relations

450–4 Personnel Administration. The functions of the personnel department in an organization; organization for personnel administration; factors affecting the efficiency of personnel; the managerial responsibility for effective personnel administration; personnel practices including recruitment, selection, employment, orientation, evaluation, transfer, promotion, dismissal, grievances, the personnel-centered approach contrasted to the task-centered approach. Case discussion and reports on selected topics assist in developing the varied responsibilities of the personnel function. Prerequisite: General Business Administration 340.

451–4 Labor Relations Law and Collective Bargaining. An analysis of labor relations legislation and the complex interrelations of management, employees, and labor unions, as well as of collective bargaining contracts, their scope, enforceability, and significance to labor relations. Cases and reports are incorporated. Prerequisite: General Business Administration 340.

452–4 Advanced Problems in Personnel Administration. Analysis of special problems of personnel administration in periods of rapid technological change. Case problems and reports are used to emphasize such pertinent areas as wage and salary administration, automation, unemployment, training, productivity, and the administration of technical and scientific personnel. Prerequisite: 450.

453–4 Advanced Problems in Industrial Relations. Exploration and development of labor, management, and government relations. A study of conflict and harmony between them as individual units and as a totality. Emphasis is placed on the internal grievance procedure and the roles of the National Labor Relations Board, Federal Mediation and Conciliation Service, arbitrators, and other tripartite bodies in Industrial Relations. Cases and reports are incorporated. Prerequisite: 451.

Philosophy

200–4 Introduction to Philosophy. Survey of the traditional branches and problems of philosophy, such as religion, metaphysics, epistemology, ethics, political theory, aesthetics, and history.

300–4 Introduction to Metaphysics. Presentation of answers to the most general problems of existence. An attempt to unify all scientific approaches to reality through the laying down of common principles.

301–4 Philosophy of Religion. An analysis of problems in the psychology, metaphysics, and social effects of religion. The nature of mystical experience, the existence of God, and problems of suffering, prayer, and immortality.

302–4 World Religions. A historical and comparative study of the principal religions of the world. Particular attention is given to such non-Christian faiths as Hinduism, Buddhism, and Islam.
342–4 Social and Political Theory. Philosophical analysis of social values and their expression in governmental organization.
345–4 The Aesthetics of Film. An examination of the major genres of film and film theory. Prerequisite: completion of third-level GSC requirements.
355–4 Philosophy of Education. Survey of theories of education and their relationships to educational policies and practices, as elucidated by the great teachers. Satisfies the education requirement, Educational Administration 355.
360–4 Philosophy of Art. The significance of art as a human activity, its nature and standards as seen in the problems of criticism, and the relation of art to other forms of knowledge.
GSC 360–6 (3,3) Arts and Ideals in Famous Cities.
GSA or GSC 363–6 (3,3) Philosophy of Science.
GSC 375–3 Ethics.
376–4 Advanced Ethics. An investigation of problems raised in modern discussions of individual and social morality. Prerequisite: GSC 375.
385–20 (4,4,4,4,4) History of Western Philosophy. (a) Greek and Roman. (b) Medieval and Renaissance. (c) Classical Modern (17th and 18th centuries). (d) 19th Century. (e) 20th Century.
386–4 American Philosophy. A survey of American philosophic thought from colonial days to the present, with emphasis on such recent thinkers as Peirce, James, Royce, Dewey, and Santayana.
391–4 Introduction to Theory of Knowledge. A study of the various kinds of knowledge, of the foundations of knowledge in thought and perception, and of the rational and empirical elements constituting the structure of knowledge.
402–4 Hindu Thought. A historical survey of Indian philosophy from the Upanishads to Vedanta. Prerequisite: 302.
403–4 Buddhist Thought. An investigation of Buddhist philosophy from Theravada through Zen. Prerequisite: 302.
430–4 Symbolic Logic. Use of symbols as tools for analysis and deduction. Study of truth tables, Boolean Expansions, propositional calculus and quantifiers, logic of relations, and their functions in logistic systems.
443–4 Philosophy of History. Classical and contemporary reflections on the nature of history and historical knowledge as the basis for dealing with the humanities.
484–12 (4,4,4) History of Western Political Theory. (Same as Government 484.) (a) Ancient and Medieval. (b) Renaissance and Early Modern. (c) Recent. May be taken separately.
490–2 to 12 Special Problems. Seminar for qualified seniors and graduate students to pursue specific topics in depth. Varied content. Prerequisite: consent of instructor.
495–2 to 12 Independent Readings. Independent study in philosophy on a tutorial basis. Prerequisite: consent of instructor and chairman.
502–4 (2,2) Methods of Teaching Philosophy.
531–4 Plato.
535–4 Aristotle.
545–4 Rationalism.
546–4 Empiricism.
560–4 Logic.
565–4 Ethical Theory.
572–4 Seminar in the History of Philosophy.
575–4 Seminar in the Problems of Philosophy.

Physical Education

225–0 Orientation.
303–5 Kinesiology. Study of joint and muscle action as a basis for the mechanical analysis of human physical movement in daily life and in physical education activities and sports.
305–3 Physical Education for the Atypical Student. The recognition of physical deviations and the provisions of special or modified physical education or recreational activities for such students. Prerequisite: 303.
412–2 to 6 Playground Leadership. (Field Experiences).

323–3 (1,1,1) Officiating Techniques. Study of rules and their interpretation; requirements for ratings given by the United States Field Hockey Association and the Division for Girls' and Women's Sports. Officiating practice required. **(a)** Fall: field hockey and soccer. **(b)** Winter: basketball. **(c)** Spring: volleyball and softball.

341–3 Principles of Physical Education. The scientific foundations of physical education based on accepted principles of psychology, physiology, sociology, biology, educational method, philosophy, anatomy, kinesiology, and related areas.

348–3 Camp and Community Leadership. Fundamentals of scouting, camping, and counseling. A weekend camping trip required.

349–2 Camping Education. Designed to give the potential camp counselor an understanding of the camp; its physical set-up, equipment and necessary routines; its personnel, purpose, traditions, and possibilities.

350–4 Methods and Materials for Teaching Physical Education Activities in the Elementary School. The organization and conduct of the program, program planning, evaluation of materials, observation and practice in creative rhythms, singing games, folk dancing, and games of low organization. (Required for elementary education.)

352–2 History and Physical Education. A study of the background and development of physical education.

354–3 Organization and Administration of Physical Education and Athletics. The organization and conduct of the total program of physical education including interscholastic athletics based upon accepted educational policies and practices. Emphasis on problems of administration.

355–2 Techniques of Teaching Swimming. Methods of teaching, analysis of strokes, and the devices for teaching swimming and life saving. Prerequisite: senior lifesaving.

365–2 to 4 Organization and Administration of Community Recreation. The social, economic, and governmental structure of the community; establishing the community recreation program; problems of facilities, equipment, finance, promotion; selecting and supervising personnel; integration with associated programs.

370–4 Tests and Measurements in Physical Education. Measurements as an aid in determining student needs, curriculum construction, teaching effectiveness, and the attainment of educational objectives. Includes the selection, administration, and interpretation of tests.

376–3 Emergency Care and Prevention of Athletic Injuries. The theoretical and practical methods of preventing and treating athletic injuries. Techniques of taping and bandaging, emergency first aid, massage, use of physical therapy modalities.

381–4 Theory of Coaching. Principles underlying participation in competitive interscholastic athletics. Theory of coaching sports, technique, strategy, organization and administration of programs.

382–4 Methods and Materials in Secondary Schools. Preparation of teachers and supervisors for group management related to recreational activities. Emphasis on proper class arrangements for maximum teaching effectiveness. Considerable attention to appropriate teaching material.

383–2 Outdoor Group Games. Prepares student to develop outdoor group game activities. Emphasis on correct techniques, fundamentals, strategy, and evaluation procedures. Stresses lead-up approach to group activity. Includes practical experiences. Prerequisite: consent of instructor.

384–2 Rhythmical Activities. Deals with all phases of the rhythmical program, teaching techniques, analysis of problems, evaluation techniques. Includes experience in working with children. Prerequisites: GSE 117a,b,f.

385–2 Indoor Group Games. Basic indoor activities of the elementary school program. Stress on correct techniques, fundamentals, strategy, and evaluation procedures. Emphasizes lead-up approach to group activity. Prerequisite: consent of instructor.

387–2 Developmental Skills. Stresses basic developmental skills that should be included in physical education program for the elementary school. Emphasis upon progression from gross skills to refined skills. Prerequisite: consent of instructor.

388–2 Self Testing Activities. Prepares the student to develop programs of self testing skills. Stresses knowledge of problems, techniques, materials, safety factors, and evaluation procedures. Includes experience with children. Prerequisite: GSE 118s.

89–4 Affiliation in Physical Education. Observing and assisting instructor n planning, scheduling, and conducting a physical education program. Stuents acquire this experience by working in area schools. Prerequisite: conent of instructor.
90–3 Evaluation Techniques in the Elementary School Physical Education rogram. A study of methods and concepts in measuring a child's growth nd development and physical fitness index with emphasis on analyzing arious skill tests and their application to the child.
02–4 Organization and Administration of Intramural and Extramural Activies. Planning intramural programs of sports. Planning and co-ordinating extraural activities commonly associated with physical education.
04–4 Workshop in Dance for In-Service Teachers. Includes history of dance, alues of dance, interpretation of music for dance, teaching techniques and acilities, and fundamental dance movements leading to knowledge and comand of dance skills.
20–4 Physiological Effects of Motor Activity. The general physiological efcts of motor activity upon the structure and function of body organs; specific ffect of exercise on the muscular system.
27–4 Physical Education and Recreation for the Handicapped. (Same as pecial Education 427.) Characteristics of handicapped children as they affect ie feasibility of physical education and recreation activities. Values of specific ctivities for certain types of children, and methods and materials for teachg physical education and recreation skills. Emphasis on activities suitable to assroom, home, and institution. Prerequisite: Counselor Education 305.
75–2 to 4 Individual Research. The selection, investigation, and writing of a search paper under the supervision of instructor.
76–2 to 4 Teaching Athletic Skills. Modern techniques of teaching skills, nditioning, and strategies; for prospective physical education teachers and aches.
90–4 Techniques in Research.
91–4 Curriculum in Physical Education.
92–4 Foundations of Motor Skills.
93–4 Seminar in Physical Education.
94–4 Problems in Physical Education.
99–4 Supervision of Health and Physical Education.
95–1 to 6 Readings in Physical Education.

Physics

26–15 (5,5,5) College Physics. Designed to meet premedical requirements d the needs of students majoring in the biological sciences. Laboratory. Must taken in a,b,c sequence. Prerequisite: GSD 114a.
21–12 (4,4,4) University Physics. A basic course for science, mathematics, d pre-engineering students. (a) Kinematics, dynamics, and statics. (b) hermodynamics, wave motion, acoustics, optics. (c) Electrostatics, electric rrent theory, magnetism, and electromagnetic waves. Three lecture and o recitation hours per week. Must be taken in a,b,c or a,c,b sequence. erequisite: (a) concurrent enrollment in Mathematics 150a; (b,c) 211a, athematics 150a.
22–3 (1,1,1) University Physics Laboratory. Experiments in mechanics, heat, und, light, electricity, and magnetism. Meets three hours per week. Must taken in a,b,c or a,c,b sequence. Prerequisite: concurrent enrollment in 211.
30a–4 Introduction to Modern Physics. A continuation of 211 covering topics m atomic, nuclear, and solid state physics. Three lectures and two recitan hours per week. Prerequisites: 211, Mathematics 150a.
30b–1 University Physics Laboratory IV. Classical experiments in modern ysics; Millikan oil drop, e/m, Franck-Hertz, Foucault velocity of light and ack body radiation along with experiments in nuclear physics. Prerequisites: 22, concurrent enrollment in 300a.
31–8 (4,4) Introduction to Classical Mechanics. Statics of a particle, of a id body, and of a flexible string; the principle of virtual work, motion of a rticle in a uniform and in a central force field, simple harmonic motion, otion of a system of particles, rigid body motion in a plane; non-inertial erence frames; generalized coordinates, Lagrange's and Hamilton's equans of motion; vibrating systems, normal coordinates, and wave motions. erequisite for a: 211a,b, Mathematics 250; for b: 301a.

304–4 Thermodynamics and Kinetic Theory. A macroscopic study of the thermal properties of matter and the laws of the thermodynamics. Kinetic theory and the distribution of molecular velocities. Transport phenomena. Prerequisites: 211b, Mathematics 250.

305–8 (4,4) Introduction to Electromagnetic Field Theory. Vector treatment of the theory: electrostatics in vacuum and in matter, steady currents, magnetism, magnetic materials, and electromagnetic radiation. Must be taken in a,b sequence. Prerequisite for a: 211c, Mathematics 250; for b: 305a.

310–4 Physical Optics. Theory of interference and interferometers, Fresnel and Fraunhofer diffraction, Fourier transform theory of diffraction; velocity of light, polarization, electromagnetic theory of light applied to reflection and refraction in isotropic media and anistropic media; birefringence, optic axis, crystal optics, optical activity; theory of normal and anomalous dispersion, scattering of light by particles; quantum optics, lasers. Prerequisites: 211, Mathematics 250.

311–1 Optics Laboratory. Advanced experiments in geometrical and physical optics. Two laboratory hours per week. Prerequisite: 310 or concurrent enrollment.

320–4 Special Relativity. An introduction to Einstein's Theory of Special Relativity. Develops the notion of space and time and treats relativistic kinematics, dynamics, and electromagnetism. Four lecture hours per week. Prerequisites: 211, Mathematics 250.

375–0 to 6 Seminar. Topics selected from a wide range of physical theories and applications (maximum credit per quarter 2 hours). Prerequisite: consent of instructor. Junior or senior standing recommended.

404–3 Introduction to Statistical Mechanics. A brief treatment of the kinetic theory of gases; introduction of phase spaces and ensemble theory. Shows the connection between mechanical and thermodynamic concepts and obtains a statistical interpretation of thermodynamic processes. Prerequisite: 301, 304 or consent of instructor.

415a–4 Wave Mechanics. Cites the evidence for a need of a new "quantum theory." Considers the Schroedinger equation, and the Born interpretation of the wave function. Develops the theory of quantum harmonic oscillators, the rigid rotator and hydrogen-like atoms. Develops perturbation theory and a description of radiation from atomic systems. Prerequisites: 300a, Mathematics 405.

415b–4 Atomic Physics. Exploits the theoretical considerations developed in 415a by considering their application to the study of atomic and molecular systems. Prerequisite: 415a.

415c–4 Nuclear Physics. A systematic discussion of the properties of the atomic nucleus. Examples of the application of wave mechanics to the study of the nucleus. A consideration of nuclear forces, subnuclear particles, and nuclear models. Prerequisite: 415a.

418–1 to 4 Modern Physics Laboratory. An advanced laboratory course including work with pulsed and continuous lasers and optical detectors, nuclear magnetic resonance, nuclear spectroscopy, vacuum techniques, mass and beta spectroscopy, semiconductor physics. Prerequisite: 300 or consent of instructor.

419–8 (4,4) Introduction to Theoretical Physics. Discussion and application of a variety of mathematical techniques to problems selected from the areas of theoretical physics. (a) Treatment of solutions of the homogeneous partial differential equations of theoretical physics in the presence of boundaries. (b) Treatment of inhomogeneous equations and the comparison of the eigenvalue problem in a matrix representation with that in the function space representations. Prerequisites: 300a, Mathematics 305a.

420–2 to 5 Special Projects. Each student is assigned to a definite investigative topic. Adapted to advanced undergraduate students. Prerequisite: 8 hours of physics courses above 300.

435–3 Plasma Physics. Basic equations and conservation laws; first order orbit theory with applications to static and dynamic problems; small amplitude plasma waves; hydromagnetic shocks; collision effects; diffusion across a magnetic field; stability; coupling of plasmas and radiation. Prerequisite: 305a,b.

445–8 (4,4) X-Ray Crystallography. (a) Symmetry elements, development of space groups, reciprocal space, geometrical theory of diffraction, determination of lattice parameters, Fourier representations of periodic structure. (b) Production of X-rays, kinematical theory of X-ray diffraction, diffraction techniques, factors affecting the intensity of reflections, extinction contrast meth

ds, introduction to the dynamical theory. Must be taken in a,b sequence. Prerequisite: 300.

50–4 Introduction to Solid-State Physics. A study of the fundamentals of olid-state physics including classification of solids, interatomic and intermolecular forces, lattice energies, specific heats, lattice dynamics, free electron heory of metals, lattice defects, color centers, luminescence, magnetic materials, radiation damage, transport in ionic crystals. Fermi-Dirac statistics, Fermi istribution, and semiconductors. Prerequisites: 300a, 305.

10–9 (3,3,3) Classical Mechanics.

30–9 (3,3,3) Electromagnetic Theory.

31–9 (3,3,3) Quantum Mechanics.

40–3 Nuclear Physics.

60–3 Statistical Mechanics.

70–3 Solid State Physics.

75–1 to 4 Graduate Seminar.

80–3 to 6 Selected Topics in Physics.

90–1 to 9 Research in Physics (Thesis).

Production

60–4 Production Management. Analysis of the basic functions of manufacuring films. Students work on a project of their choice in conjunction with he lectures and class discussions. Topics include blueprint reading, equipment nd tools, plant layout, product flow, materials handling, quality control, cost ontrol, production control, methods engineering, product engineering, inventry control, the use of PERT, and financial concepts as related to production anagement. Several plant visits are conducted during the course. Prerequisite: eneral Business Administration 340.

61–4 Methods Design and Work Measurement. Design of work systems, ethods, and the techniques employed in the measurement of work. Emphazes current philosophy underlying improvement of work methods and proedures used to measure work performed. The course covers four major areas: ethods design, standardizing the operation, work measurement, and training he operator. A number of projects correlating with the course material are signed. Prerequisite: 460.

62–4 Production Planning and Control. Analyzes and describes the recurrent roblems of managing the flows of materials, services, and information produced in response to changes in market demand. Emphasizes the top-level ecisions necessary to plan and control operations so that customers are served n time and penalty costs are minimized, as well as the decisions made by iddle and first line managers in regard to scheduling and controlling, purchasg, production, and distribution. Selected decision-making techniques are anazed and evaluated from the production manager's point of view. Prerequisite: 0.

63–4 Advanced Production Management. Examines the operating decisions at confront the managerial and supervisory production personnel of large, edium, and small scale manufacturing firms using a variety of production ocesses. Emphasizes decision-making leading to the solution of production erating problems, and to the formulation of plans of action. Assigned cases ovide a view of the types of decisions involved in planning, organizing, coornating, integrating, and controlling resources so that production goals may realized. Prerequisites: 460, 461, 462.

Psychology

1–8 (4,4) Principles and Methods of Psychology. An introduction to the exrimental methods utilized in the study of behavior. **(a)** The application of ethods to the study of sensation, perception, and learning; **(b)** The analysis d interpretation of psychological data. Lecture and laboratory. Prerequisite: SB 201c.

1–4 Child Psychology. A study of the biological and psychological developent of the child from birth through puberty, and of relevant research methods d results. Prerequisite: GSB 201c.

3–4 Adolescent Psychology. Examines the physical and psychological devel-

opment of the adolescent, and the relevance of childhood development to adolescent problems. Prerequisite: GSB 201c.

304–4 Psychology of Maturity and Old Age. A consideration of psychological factors in later maturity and old age and their concomitant problems, both individual and societal. Prerequisite: GSB 201c.

305–4 Introduction to Personality Dynamics. Exploration of human motivations, personality patterns, and ways of coping with the stresses of modern life. Prerequisite: GSB 201c.

307–4 Social Psychology. Introduction to the study of the individual's interaction with his social environment. Considers problems of social learning, attitude formation, communication, social influence processes, and group behavior. Prerequisite: GSB 201c.

311–4 Experimental Psychology: Learning. Investigates the processes governing behavioral change. Emphasizes experimental studies of conditioning, memory, and forgetting. Laboratory work includes the design and conduct of experiments with humans and animals. Lecture and laboratory. Prerequisite: 211a,b.

312–4 Experimental Psychology: Perception. Investigates the variables influencing an organism's stimulation by his environment. The structure and operation of the sense organs as well as complex perceptual phenomena are examined in lectures and laboratory. Prerequisite: 311.

313–4 Experimental Psychology: Motivation. An examination of both biological and social variables influencing the activation, direction, and maintenance of behavior. Laboratory work examines the effects of motivation upon behavior. Lecture and laboratory. Prerequisite: 311.

314–4 Experimental Psychology: Comparative and Physiological. An examination of the physiological and phylogenetic variables affecting behavior. The laboratory involves work with different types of organisms emphasizing physiological concomitants of behavior. Lecture and laboratory. Prerequisite: 311.

320–4 Industrial Psychology. A study of the functions of psychology as a science and as a profession in contemporary business and industry. Prerequisite: GSB 201c.

404–4 Theories of Perception. An examination of the different theories concerned with an organism's sensory contact with his environment. Physiological, social, and organizational theories of perception. Prerequisite: 312 or consent of instructor.

406–4 Learning Processes and Applications. An examination of processes by which behavior is acquired, changed, or extinguished; an application of learning principles developed in the learning laboratory. Prerequisite: consent of instructor.

407–4 Theories of Learning. A consideration of the major contemporary learning theories and their relation to experimental data. Prerequisite: 311 or consent of instructor.

408–4 Theories of Motivation. An examination of instinct theories, biological drives, emotions, social motives, and psychodynamic theories as they contribute to a comprehensive psychology of motivation. Prerequisite: 313 or consent of instructor.

409–4 History and Systems. Study of the important antecedents of contemporary scientific psychology. Considers issues, conceptual developments, and research advances, and presents the major schools and systems. Prerequisite: signed consent of psychology adviser.

420–4 Experimental Analysis of Behavior. An examination of the principles of respondent and operant conditioning in human and animal behavior. Lecture and laboratory. Prerequisite: GSB 201c.

421–4 Psychological Tests and Measurements. Principles of psychological measurement, including errors of measurement, techniques for estimating reliability and validity, techniques of test construction, and problems in assessment and prediction. The laboratory includes the use of selected instruments. Lecture and laboratory. Prerequisites: 211b, consent of instructor.

431–4 Psychopathology. Classification, description, etiology and treatment of the disorders of personality organization and behavioral integration. Observations in a state mental hospital setting. Prerequisite: 305 or consent.

432–4 Mental Hygiene. An integration of psychological knowledge and principles concerning factors and conditions affecting the individual which tend to facilitate or determine health.

440–4 Theories of Personality. A review and critical evaluation of major personality theories and their supporting evidence. Prerequisite: 305 or consent of instructor.

451–4 Advanced Child Psychology. An examination of concepts, methods, and problems of human development with consideration of both is psychological and psychosocial aspects. Prerequisite: 301 or 303 or consent of instructor.
461–4 Advanced Social Psychology. Examines current areas of interest in the study of social behavior: language behavior, communication, social influence, attitude change, interpersonal perception, etc. Emphasis is on the individual in the social context. Prerequisite: 307 or consent of instructor.
465–4 Group Dynamics and Individual Behavior. Examination of research and theory in the area of small-group interaction. Examines such topics as group structure and function, group problem-solving, leadership, etc. Prerequisite: 320 or consent of instructor.
471–4 Work Methods and Measurement. A study of the analysis and evaluation of jobs and the measurement of work performances by the use of standard time tables. Prerequisite: 320 or consent of instructor.
473–4 Personnel Psychology. Psychological methods in selection, placement, evaluation, and criterion development. Emphasis is on principles and techniques with some examples of application to decision making in business and industry. Prerequisite: 320 or consent of instructor.
474–4 Psychology of Employee Relations. A study of job satisfaction and morale, psychological aspects of labor relations, industrial counseling, social and organizational variables as they affect psychological climate in employee relations. Prerequisite: 320 or consent of instructor.
479–4 Psychology of Industrial Conflict. Consideration of social and psychological factors underlying controversies between workers and management. Prerequisite: 320 or consent of instructor.
490–1 to 8 Independent Projects. Independent readings and projects in psychology. Prerequisite: consent of instructor and chairman.
495–1 to 8 Seminar: Selected Topics. Varied content. To be offered from time to time as need exists and as faculty interest and time permit. Prerequisite: consent of instructor.
501–12 (4,4,4) Proseminar in General Psychology.
512–4 Sensory Processes.
514–8 (4,4) Physiological Psychology.
520–4 Research Design & Inference I.
521–4 Research Design & Inference II.
522–4 Research Design & Inference III.
530–4 Personality Theory and Dynamics.
531–2 to 4 Advanced Psychopathology.
537–4 Counseling and Psychotherapy.
541a–4 Psychodiagnostics I.
541b 2 to 4 Psychodiagnostics I.
543–6 (4,2) Psychodiagnostics II.
552–4 Experimental Child Psychology.
556–2 Psychological Treatment of the Child.
561–4 Social Influence Processes.
564–4 Communication and Group Behavior.
571–4 Industrial Motivation and Morale.
590–1 to 16 Readings in Psychology.
591–1 to 36 Research in Psychology.
593–1 to 18 Practicum in Psychology.
598–2 Ethical and Professional Problems in Psychology.
599–1 to 9 Thesis.

Quantitative Methods

510–4 Statistical Analysis for Decision-Making.
511–4 Quantitative Methods for Decision-Making.

Rehabilitation

480–2 Introduction to Rehabilitation. A survey of historical and legal developments in rehabilitation agencies, with particular emphasis on current theories and trends.
511–2 to 4 Vocational Developments and Occupational Choice.

519–2 Selection, Placement, and Follow-up.
531–2 Vocational Appraisal.
541–2 Medical Aspects of Rehabilitation.
561–2 Psycho-Social Aspects of Disability.
580–1 to 6 Practicum in Rehabilitation Services.
585–4 Practicum in Rehabilitation Counseling.
589–0 to 12 Internship in Rehabilitation.

Science and Technology

390–1 to 15 Science and Technology Honors. Honors work in the biological sciences, chemistry, mathematics, or physics. Entrance by invitation of the Science and Technology Honors Program Committee. Prerequisite: junior or senior standing.
400–3 Concepts of Classical Physics. Classical physics from a phenomenological point of view and at a level which does not require a previous course in the calculus. Primarily for teachers of the physical sciences; subject matter is related to texts and materials available in the teachers' own schools.
401–10 (5,5) Classical Mechanics. A systematic treatment of mechanics which assumes only a modest background in algebra. Emphasis on those concepts which historically were defined for mechanical systems but which have proven important in all areas of physics.
402–4 Modern Physics. The development of physics in this century. For teachers of the physical sciences. Emphasis on the phenomena which led to the formulation of quantum theory in the twenties. Includes a qualitative discussion of atomic and nuclear physics. Prerequisite: 400 or Physics 206.
403–6 (3,3) Experiments and Techniques of Physics. Students perform experiments and consider equipment for teaching physics at the pre-college level. Lectures on experimental techniques.
406–10 (5,5) Mathematical Physics for Teachers. Mathematical topics from trigonometry, analytical geometry, the calculus and applied mathematics with regard to their usefulness in describing physical concepts such as work, power, energy, and potential.
415–1 to 3 Instructional Innovation for the Physical Sciences. A variety of subject matter is considered with regard to its order of presentation in a course, the type of plausibility arguments most successful in a "derivation," the types of demonstrations most appropriate to the subject matter, and the relation of laboratory work to the lecture content.
505–9 (3,3,3) Concepts of Electricity and Magnetism.
510–3 Physical and Geometrical Optics.
511–2 Optics Laboratory.

Secondary Education

315–4 High School Methods. Study and discussion in various types of procedures used for effective classroom teaching. The problem approach and unit method are stressed. Prerequisites: Counselor Education 305, Educational Administration 355.
352d–8 to 16 Secondary Student Teaching.
352e–4 to 8 Advanced Secondary Student Teaching. Prerequisite: 352d–8.
407–4 The Junior High School. The place of the junior high school in the organizational pattern, with major emphasis upon the areas of organization, administration, and curriculum.
440–3 to 4 Teaching Reading in High School. A foundation course in how to teach reading in junior and senior high school: developmental and corrective reading programs, appraisal of reading abilities; methods and materials of instruction. Prerequisite: Counselor Education 305.
480–4 Backgrounds of Urban Education. (See Educational Administration 480 and Elementary Education 480.)
487–4 Teaching the Natural Sciences in Secondary Schools. Objectives of science education; instruction methods and techniques appropriate for teaching science; desirable equipment, audio-visual aids, and instructional materials; development of a course outline and at least one instruction unit.
488–4 Teaching Social Studies in Secondary Schools. Objectives, scope and

sequence of curriculum, methods of teaching different courses and age groups, materials and evaluation. Prerequisite: 315.
505–4 Improvement of Reading Instruction.
507–2 to 4 Readings in Reading.
508–4 Seminar: Trends in Selected Areas in Secondary Schools.
509–4 to 8 Practicum in Reading.
513–4 Materials and Methods for the Assessment of the Disabled Reader.
514–4 Organization and Administration of Reading Programs.
518–2 to 4 Supervision of Student Teachers.
521–12 (4,4,4) Diagnosis and Correction of Reading Disabilities.
550–4 Core Curriculum in the Secondary School.
553–2 to 12 Practicum in Urban Education.
562–4 The High School Curriculum.
564–4 High School Principalship.
567–12 (4,4,4) Teaching Competencies and Their Application.
570–1 to 4 Extra-Class Activities.
575–2 to 4 Individual Research.
580–4 Research Seminar in Urban Education.
591–4 Workshop in Current Problems in Secondary Education.
596–5 to 9 Independent Investigation.
597–1 to 3, 598–1 to 3, 599–1 to 3 Thesis.

Social Welfare

380–4 Social Welfare as a Social Institution. Interdependence of social, cultural, political, and economic factors in the history, theory and practice of social welfare, with special reference to development of the social work profession in response to welfare problems. Prerequisite: GSB 103a.
383–4 Introduction to Interviewing. Theory and practice of interviewing as a means of gaining information, and of understanding and imparting the same. Focus is on the interview as a tool in social work, but principles are generally applicable. Prerequisite: GSB 103a or 201c.
389–2 to 5 Readings in Social Welfare.
481–4 Processes in Social Work. Theory, rationale, and practice of casework, group work, social welfare organization, and the roles of supervision, administration, and research in relation to each. Case material study and discussion with field observation and practice. Prerequisite: consent of instructor.
482–8 (4,4) Social Work in Selected Agencies. Study of representative literature on casework in family, psychiatric, medical, school, military, child welfare, and correctional settings, and others. Case material study and discussion with field observation and practice. Prerequisite: 481.

Sociology

Courses in sociology are listed according to numerical order. However, the second digit in the course number indicates its field as follows:

00–09 General Sociology
10–19 Methodology and Research Techniques
20–29 Social Psychology
30–39 Social Organization and Structure
40–49 Family
50–59 Sociology of Knowledge
60–69 Social Disorganization and Deviance
70–79 Special Fields
80–89 Applied Fields

301–4 Social Theory and Methods of Inquiry. An examination of the relations between theory construction and research methods. Problem identification, hypothesis formulation, research design and report writing.
302–4 Contemporary Social Problems. Discussion and analysis of selected contemporary social problems with consideration of alternative courses of action. Prerequisite: 301.
306–4 Social Control. The means and principles of social controls; social institutions as factors in control; techniques of directing social action. Prerequisite: 301 or GSB 103a.

308–4 Introductory Statistics. Introduction to the methods and application of statistics in the social sciences. Measures of central tendency, dispersion, probability, tests of significance. Examination of empirical studies.
312–4 Research Methodology and Data Analysis. Principles of research design; methods of data collection and data analysis.
320–4 Race and Ethnic Relations. Racial and cultural contacts and conflicts; causes of prejudice; status and participation of minority groups; national and international aspects of racial, ethnic, and minority problems.
321–4 Introduction to Social Psychology. The process of socialization in infancy, childhood, and adolescence; development of habits; attitudes, sentiments; emergence of the self; integration of the individual and society.
322–4 Propaganda and Public Opinion. Techniques and characteristics of propaganda; methods of measuring public opinion. Prerequisite: 301 or GSB 103a.
332–4 Social Organization. An examination of the determinants of social organization; intensive analysis of institutional configurations, social stratification, and systems of social control; review of significant writing. Prerequisite: 301.
333–4 Community Organization. Factors involved in community organization; types, aims, and objectives; community analysis; individual case study of specific community.
335–4 Urban Sociology. The rise, development, structure, culture, planning, and problems in early and modern cities. Prerequisite: 301 or GSB 103a.
338–4 Industrial Sociology. Social organization and processes within the formal and informal structure of the industrial unit; research and experimental materials concerning social determinants of morale, status, and role of the worker. Prerequisite: 301 or GSB 103a.
340–4 The Family. The family in historic and contemporary society; evolution of the modern family; change in family functions, structures, and roles. Prerequisite: 301 or GSB 103a.
GSB 341–3 Marriage.
351–4 Sociology of Religion. Function of religious institutions in society and their relationship to other major social institutions; role in social control and group solidarity. Prerequisite: 301 or GSB 103a.
371–4 Population and Migration. Characteristics of population, problems of growth, composition, distribution differential fertility, international and internal migration. Prerequisite: 301 or consent of instructor.
372–4 Criminology. The nature of crime; criminal statistics; causal factors; theories and procedures in prevention and treatment. Prerequisite: consent of instructor.
374–4 Sociology of Education. Methods, principles, and data of sociology applied to the school situation; relation of the school to other institutions and groups. Prerequisite: 301 or GSB 103a, or consent of instructor.
388–3 Workshop in Inter-Group Relations. Designed to provide theoretical and practical understanding of the cultural, social, and psychological factors associated with inter-group tension. Participants concentrate their efforts on problem-solving activities related to their occupational, professional, or civic interests. Resource and consultative staff from the academic areas of education, psychology, sociology, and social work. Prerequisite: consent of instructor.
396–1 to 5 Readings in Sociology. Supervised reading in selected subjects. Prerequisite: consent of chairman.
405–4 Current Sociology. A survey of important trends in contemporary sociology and social thought and an examination of the social organization of sociology as a profession. Prerequisite: 301 or 312 or 321 or consent of instructor.
406–4 Social Change. An examination of the processes of social change in the modern world; culture lag and conflict of norms; individual and social problems arising from conflicting systems of social values and cultural norms. Prerequisite: 301 or GSB 103a.
410–8 (4,4) Quantitative Methods in Sociology. Statistical and computer research techniques for sociologists. (Same as Geography 410 and Government 410.)
420–4 Social and Cultural Aspects of the Afro-American Experience. An examination of the experiences of black people in America; a comparison of the African cultural modes of their origin and the essentially European cultural modes black people encounter in America; the economic, political, and

social factors in past and current Afro-American history. Prerequisite: 301 or 312 or 321 or consent of instructor.

424–4 Collective Behavior. The behavior of people in large groups; collective interstimulation and emotions; crowds, audiences, and publics; mass stimuli and mass response. Prerequisite: 321 or 322, or consent of instructor.

426–4 Social Psychology of Interpersonal Relations. The study of how group situations and interpersonal relations affect beliefs, behavior, and personality; the development of concepts, attitudes, and values; theories of motivation, perception, and cognition as related to social processes. Prerequisite: 301 or 312 or 321 or consent of instructor.

427–4 Sociology of Deviance. Comparative theoretical orientations to the study of deviance; the relationship between deviant and conforming behavior; deviance as a social product; the effect of societal reaction on deviance; the development of deviant subcultures; selected deviances. Prerequisite: 301 or 312 or consent of instructor.

435–4 Social Inequality. Social inequality with respect to status, income, and power as these vary among societies. Factors affecting the degree of inequality in a society and the consequences of inequality and social class on individuals and societies. Prerequisite: 301 or 312 or 321 or consent of instructor.

436–4 The Social Structure of the United States. An examination of the social structure of the United States with special attention to the structures of government, the military, and the economy. Prerequisite: 301 or consent of instructor.

438–4 Sociology of Occupations. Natural history and institutional aspects of occupations in our society, cultural context of occupations in both primitive and modern society, preparation for jobs, human values in work, promotion and discharge, mobility, retirement. Prerequisite: 301 or GSB 103a.

439–4 Medical Sociology. An analysis of the sociological factors in illness and health and the role of medicine and the health professions in modern society. Prerequisite: 301 or consent of instructor.

451–4 Social Thought: The Sociological Movement. The rise and development of sociological reasoning as a response to the Industrial Revolution. Prerequisite: 301 or 312 or 321 or consent of instructor.

453–4 Social Movements. A sociological study of modern social movements; social and cultural backgrounds, forms of expression and organization; social structure of social movements, their role and function in modern society. Prerequisite: 301 or GSB 103a.

470c–4 Urban Planning. (See Geography 470.)

472–4 Treatment and Prevention of Crime. Principles of penology; history of punishment and prisons; criminal law, police function, criminal courts; the prison community; the juvenile court and related movements. Prerequisite: 372 or consent of instructor.

474–4 Crime and the Legal Process. An analysis of the administration of criminal law in America. The emergence of legal norms, law enforcement, prosecution, trial and sentencing, with consideration of the impact of legal sanctions on deviant behavior. Prerequisite: 372.

484–4 Marriage Counseling. Survey and analysis of the field of marriage counseling; assessment of current practices and techniques; case studies and supervision. Prerequisite: consent of instructor.

485–6 Community Programs for the Prevention of Juvenile Delinquency. Analysis of delinquency prevention in community programs administered by various agencies. A critique of existing programs and development of experimental programs. The roles of professional workers pertinent to such programs is delineated with special reference to the public school administration, counselor, the social workers, the court, probation officers, and police. Prerequisite: consent of instructor.

501–4 Survey of Sociological Theory.

504–4 Seminar in American Sociology.

506–4 Seminar in Contemporary Sociological Theory.

519–4 Methodological Foundations of the Social Sciences.

521–4 Seminar in Social Psychology.

525–4 Methods of Field Research.

534–4 Seminar in Intergroup Relations.

536–4 Seminar in Bureaucracy.

538–4 Seminar in Industrial Sociology.

542–4 Seminar on the Family.
567–4 Seminar in the Sociology of Deviance.
578–4 Advanced Criminology.
595–2 to 6 Individual Research.
596–2 to 12 Readings in Sociology.
599–2 to 9 Thesis.

Special Education

351d–8 Elementary Student Teaching.
353–8 to 16 Special Education Student Teaching. The practice of teaching, under the immediate supervision of a critic teacher and the general supervision of a University instructor. Involves lesson preparation and planning of instruction.
410a–4 Problems and Characteristics of the Emotionally Disturbed Child. Diagnosis, screening, classroom management, placement considerations, goals, and the effective use of ancillary services. Emphasis on the understanding of maladaptive behavior through principles of learning and behavior dynamics. Observations.
410b–4 Problems and Characteristics of the Mentally Retarded. Objectives, curriculum, methods, and materials of instruction for slow learners. Emphasis upon the principles of learning as they can be applied to this group. Observations. Prerequisite: Counselor Education 305 or Psychology 301 or 303.
410c–4 Problems and Characteristics of the Gifted Child. Designed to help teachers in the identification of, and programming for, gifted and talented children. Prerequisite: Counselor Education 305 or Psychology 301 or 303.
410g–4 Problems and Characteristics of the Learning Disabled Child. Study of the child with a wide discrepancy between ability and achievement, accompanied by serious educational maladjustment. Emphasis on definition, identification, diagnosis, individualized remedial programs, and placement. Prerequisite: 414.
413a–4 Directed Observation of the Emotionally Disturbed. Taken concurrently with 410a. Provides student observation and participation in individual work with emotionally disturbed children.
413b–4 Directed Observation of the Educable Mentally Handicapped. Taken concurrently with 410b. Provides student observation and participation in individual work with educable mentally handicapped children. Prerequisite: consent of instructor.
413c–4 Directed Observation of the Gifted. Taken concurrently with 410c. Provides student observation and participation in individual work with gifted children. Prerequisite: consent of instructor.
414–4 The Exceptional Child. Physical, mental, emotional, and social traits of all types of exceptional children. Effects of handicaps in learning situations. Methods of differentiation and techniques for rehabilitation. Individual case studies used; observations and field trips. Prerequisites: Counselor Education 305, Psychology 301 or 303.
420a–4 Methods and Materials in the Education of the Emotionally Disturbed. Offered in conjunction with practice teaching. Methods and materials needed in teaching emotionally disturbed children.
420b–4 Methods and Materials in the Education of the Educable Mentally Handicapped. Offered in conjunction with practice teaching. Methods and materials needed in teaching educable mentally handicapped children.
420c–4 Methods and Materials in the Education of the Gifted. Offered in conjunction with practice teaching. Methods and materials needed in teaching gifted children.
427–4 Physical Education and Recreation for the Handicapped. (See Physical Education 427.)
428–4 Speech Correction for the Classroom Teacher. (Same as Speech Pathology and Audiology 428.) Etiology and therapy of common speech defects. Open to in-service teachers and administrators, seniors, and graduate students in education.
430–4 Behavior Modification in Special Education. The application of learning theory to the management of behavior in retarded, emotionally disturbed, and other exceptional children. Prerequisites: 414, Psychology 420.
481a–4 Seminar: Emotionally Disturbed.

481b–4 Seminar: Educable Mentally Handicapped.
481c–4 Seminar: Gifted.
496–1 to 8 Readings and Independent Study in Special Education. Study of a highly specific problem area in the education of exceptional children. Open only to selected seniors and graduate students. Prerequisites: 414, consent of staff.
501–4 Special Research Problem.
513–4 Organization, Administration, and Supervision of Special Classes.
517–4 The Atypical Child and Social Agencies.
518–4 Workshop in Special Education.
570–2 Seminar: Vocational Guidance of the Handicapped.
571–2 Special Problems of the Handicapped I.
572–2 Special Problems of the Handicapped II.
577–4 to 12 Practicum in Special Education.
580–8 (4,4) Seminar: Education of Exceptional Children.
590–12 (4,4,4) Seminar: Mental Retardation.

Speech

104–4 Training the Speaking Voice. Designed for those students who desire to improve their voice and articulation. Prerequisite: GSD 103.
202–3 Principles of Discussion. Principles and methods of group discussion. Current problems used as materials for discussion.
205–3 Principles of Argumentation and Debate. Principles of argument, analysis, evidence, reasoning, fallacies, briefing, and delivery.
224–4 Communicative Reading. Study of and practice in the analysis of literature and its oral communication to an audience.
301–4 Persuasion. Psychological principles involved in influencing individuals and groups.
303–4 Business and Professional Speaking. Speaking needs of business and professional people. Technical reports and lighter types of speaking included in the types studied. Primarily for adult and extension classes.
309–1 Forensic Activities.
406–4 Teaching Speech in Secondary Schools. Philosophy of speech education, and effective teaching of speech through curricular and extra-curricular work. Prerequisite: 16 hours of speech.
407–8 (4,4) History of American Public Address. Critical studies of American speakers; selected speakers and speeches which reflect the dominant social and political ideas in American history. A lecture, reading, and discussion course. May be taken separately.
408–4 Psychology of Speech. Nature and development of speech, its basic psychology, and the part speech plays in personality development.
417–4 Contemporary Public Address. A critical study of speakers and speeches selected to present the characteristic ideas of leading social and political developments in national and international affairs since 1918. A lecture, reading, and discussion course.
418–4 British Public Address. Critical study of British speakers to c. 1920. Selection of material is governed both by men and the issues that moved men throughout British history.
427–4 Secondary School Forensic Program. Coaching and organizational methods for extracurricular and curricular forensic programs in school and college. Prerequisite: 406 or equivalent.
429–4 Experimental Studies in Oral Communication. Survey, analysis, and criticism of experimental approaches to the study of oral communication, with practice in planning and conducting experimental studies.
441–4 Teaching Speech in Elementary Schools. Oral language development in children, analysis of their speech needs, and methods of teaching speech in elementary schools, with emphasis on speech improvement and development of basic speech skills.
449–4 General Semantics. Means of changing implications so that language, in spoken or written form, describes the life facts.
500–4 Survey of Classical Rhetoric.
505–4 Modern Rhetorical Theory.
510–4 Seminar: Persuasion and Social Control.
511–4 (2,2) Teaching the College Speech Course.

525–4 Seminar: Speech Education.
530–1 to 4 Research Problems.
532–4 (2,2) Areas and Techniques of Research in Speech.
599–2 to 9 Thesis.

Speech Pathology and Audiology

100–0 to 2 Speech Clinic. Designed for students with speech and hearing deviations who need individual help.
200–4 Phonetics. Instruction in the use of phonetic symbols to record the speech sounds of midland American English, with emphasis on ear training, and a description of place and manner of production of these sounds.
203–4 Introduction to Speech Science. An introduction to the science of general speech including the history of research in the field and significant experimental trends in the future. Open to all students.
212–4 Articulatory Problems and Delayed Speech. Designed to acquaint the student with articulatory speech defects. Diagnostic and therapeutic techniques stressed. Prerequisite: 200 or concurrent registration.
318–4 Voice and Cleft Palate. Voice disorders including cleft palate. Prerequisite: 212 or consent of instructor.
319–4 Stuttering. Deals with diagnostic and therapeutic techniques for the understanding and treatment of stuttering. Prerequisite: 212 or consent of instructor.
400–1 to 4 Independent Study in Speech Correction and Audiology. Activities involved are investigative, creative, or clinical in character. May be repeated up to 6 hours of credit. Prerequisites: graduate standing, consent of instructor.
405–12 (4,4,4) Practicum in Speech and Hearing Therapy. Clinical and school procedures in speech correction and audiology. One hour of class per week, and two hours of clinical activity or work on clinically related projects for each hour of credit. Prerequisite: junior standing in department. 405a (fall) emphasizes therapeutic procedures. 405b (winter) emphasizes diagnostic techniques. 405c (spring, summer) emphasizes the utilization of forms and the preparation of reports. May be taken in any sequence.
406–4 Techniques and Interpretation of Hearing Tests. Principles and techniques of testing the hearing and interpreting those tests in terms of the individual's needs.
409–4 Research Techniques in Speech Science. A presentation of the research techniques used in speech science with particular emphasis on equipment, experimental design, and study of significant research contributions to the field. Open to advanced students in speech or those with consent of instructor. Prerequisite: graduate standing.
412–4 Cerebral Palsy. An investigation of the etiology, problems, and therapy of cerebral palsy. Prerequisite: 212 or consent of instructor.
414–4 Anatomy and Physiology of Speech and Hearing Mechanisms.
415–4 Aphasia. An investigation of the etiology, problems, and therapy of aphasia. Prerequisite: 412 or consent of instructor.
416–4 Introduction to Audiology. A basic orientation to the professional field of audiology, its history, and its goals. Basic acoustics; the phylogeny, anatomy, and physiology of the human ear; and significant pathologies of the ear. Prerequisite: 406.
419–4 Communication Problems of the Deaf and Hard of Hearing. Objectives and techniques for the teaching of lip reading, speech conservation, and auditory training. Prerequisite: 406 or consent of instructor.
420–4 Advanced Clinical Audiometry. Principles and procedures for advanced audiometric testing, advanced problems in bone conduction measurements, in evaluation of loudness recruitment, in topodiagnostic audiometry, and nonorganic hearing loss. Practical techniques include speech audiometry, Bekesy audiometry, conditioned pure tone electrodermal audiometry, and use of the Zwislocki Acoustic Bridge. Prerequisite: 416.
428–4 Speech Correction for the Classroom Teacher. (See Special Education 428.)
515–1 to 4 Readings in Speech Pathology.
521–1 to 4 Seminar in Articulation and Delayed Speech.
522–4 to 16 (1 to 4 each) Seminar in Organic Speech Problems.
529–3 to 12 (1 to 4 each) Seminar in Stuttering Behavior.

Television-Radio

100–4 Process and Effects of Mass Communication. Lecture. Examination of the theories, processes, and effects of the mass media in society. Interrelationships of the media.

200–4 Survey of Broadcasting. Lecture. The history of broadcasting, network structure, the industry as a part of American business, the Federal Communications Commission, and related areas. Examinations and research papers. Prerequisite: 100.

201–8 (4,4) Broadcast Writing. A skills-content course. **(a)** Radio. **(b)** Television. Continuity forms, including features, commercials, promotional announcements, etc. The aesthetic considerations of script writing as a part of the cultural pattern of the community. Two lectures per week, extensive writing assignments. Prerequisites: **(a)** typing skills; **(b)** 201a, typing skills.

202–4 Broadcast Performance. A skills course. Provides extensive studio practice in all forms of broadcast talent, including both commercial and voice-over announcing, on-camera host experiences for talk, and/or public affairs presentations. Preparation of own material for studio presentation. One lecture, four hours laboratory per week, intensive practice in studios. Prerequisite: 201–4 or demonstration of equivalent skills.

251–3 Survey of Broadcasting. The history of the American system of broadcasting including the industry network structure, and local station organization and economics. Various systems of foreign broadcasting.

273–3 Fundamentals of Radio Program Production. Techniques of producing and directing various types of radio programs with emphasis on the creative use of sound effects and music. Matters of timing, pacing, perspective, and microphone techniques.

274–5 Basic Television Production. Use of equipment and basic techniques in production of television programs of all types. Three one-hour lectures, one four-hour laboratory per week.

300–5 Radio Production. A skills-content course. Production of programs for WSIE-FM, and/or participation in preparation of programs for other broadcast agencies. Intensive use of tools of broadcasting. Work with faculty, staff, and students in planning and producing programs. Three lecture-critique sessions, four laboratory hours per week. Prerequisite: 201a.

301–5 Television Production. A skills-content course. Practice in using television equipment for broadcast purposes. Videotape techniques, the use of film and other visual devices. Planning and production of television programs for WSIE-TV and other broadcast agencies. Use of materials and traditions of other disciplines. Three lecture-critique sessions, four laboratory hours per week. Prerequisite: 201b.

302–4 Broadcast News. Intensive study and practice in broadcast journalism. Writing, researching, rewriting, use of audio and video recording, 16 MM film for television, preparation of newscasts for WSIE-FM and WSIE-TV. Style, delivery, format, and related areas. Two one-hour lectures, four hours required laboratory per week. Prerequisite: 201 and/or Journalism 103.

303–4 Broadcast Advertising. Radio and television as advertising media and comparison with other media. Planning a campaign, production techniques, agency relationships, cost factors. Extensive preparation of commercial materials. Merchandising, promotion, interpretation of research. Case studies. Prerequisite: 200 and/or consent of instructor.

358–4 Radio Writing. Oral forms of writing for radio, including commercials, features, music scripting, women's and children's programs. Prerequisite: 273.

359–4 Television Writing. The writing of continuity forms and dramatic and documentary scripts for television with emphasis on development of ideas and plot construction. Prerequisites: 273, 358.

393–3 Radio, Television, and Society. The interrelation of radio and television with social habit patterns and with economic and political systems. International broadcasting. Prerequisite: 251.

400–4 Seminar in Mass Communications: Mixed Media. Problem-solving term projects using inter-media approaches. A team-taught course involving many members of the faculty, both in the mass communications area and the faculty at large. Invited professional guests. Prerequisites: senior standing, completion of other broadcast concentration courses.

401–4 Criticism in the Public Arts. Television, radio, and film programs as ar forms. Comparison and contrast with other of the "lively" and fine arts. Social moral, aesthetic, and commercial evaluations. Development of critical stand ards, extensive viewing and hearing programs on videotape, film, and othe Prerequisite: senior standing.
402–4 Seminar in Broadcast Management. Management executives from sta tions are "guest faculty." Management responsibility, research goals, use o capital, advertising, public relations, etc. A research paper. Prerequisites senior standing, completion of other broadcast concentration courses.
403–4 Seminar in Educational Broadcasting. Application of broadcasting skill and technology to the dissemination of information in a formal or an informa manner. Intended for those who expect to continue their education on the ad vanced degree level in educational broadcasting, who plan to enter educationa broadcasting, or for teachers who will have responsibilities in the administra tion or use of the broadcast media as a part of their curriculum. Prerequisite senior standing or consent of instructor.
404–4 Research in Broadcasting. The application of research techniques to th broadcast media. Evaluation of research. Participation in a research projec designed by the class. Three class sessions per week, extensive arrange laboratories. Prerequisites: 200, consent of instructor.
405–4 Television Documentary. The filmed and/or taped documentary as a basic programming concept in American television. The use of tools, editing sound, sound and videotape recording. Selection of topics, research, planning budgeting, etc. Group preparation of filmed and/or videotaped projects fo television. Prerequisites: 201b, consent of instructor, senior standing in a mas communications sequence.
406–4 Special Events. Broadcasting on radio and television of special events Emphasis on remote broadcasting. Training in the preparation and productio of one-time and/or occasional broadcasts. Live, audio, and videotaped progra preparation. Prerequisites: 201, 300, 301.
407–4 International Broadcasting. Analysis of foreign systems of broadcasting and comparison with the American system. Broadcasting as an internationa force in social, economic, and political areas. Problems and developments ir space communications, satellite broadcasting, international cooperation.

Theater

100–18 (0,2,4, or 6 per quarter) Theater 100. First year work in theater. Lecture-studio. Main stage major production and/or studio theater mino production activity.
GSC 157–5 The Dramatic Media: Theater, Cinema, and Television.
200–18 (0,2,4, or 6 per quarter) Theater 200. Second year work in theater. Lecture-studio. Main stage major production and/or studio theater mino production activity. Prerequisite: 100.
224–4 Communicative Reading.
300–18 (0,2,4, or 6 per quarter) Theater 300. Third year (intermediate level) work in theater. Lecture-seminar-studio. Main stage major production and/or studio theater minor production activity. Prerequisites: 100, 200.
GSC 354–9 (3,3,3) History of the Theater.
400–18 (0,2,4, or 6 per quarter) Theater 400. Fourth year (advanced level) work in theater. Seminar-studio. Main stage repertory theater assignment. Prerequisites: 100, 200, 300.
403–4 Dramatic Theory and Criticism. Principles and practice of modern dramatic production in the light of modern aesthetic theory. An attempt to formulate an aesthetic judgment of the theater. Prerequisite: graduate standing.
404–2 Workshop in Dance for In-Service Teachers. History of dance, values of dance, interpretation of music for dance, teaching techniques and facilities, and fundamental dance movements leading to knowledge and command of dance skills.
410–3 Children's Theater.
411–4 Playwriting. The writing of a full-length play, a children's play, or a historical pageant-drama. May elect to write two one-act plays. Individual conferences supplement class discussion and analysis of student writing.
412–8 (4,4) Stage Design. A design of settings for the stage and other dramatic media. Prerequisite: graduate standing.

507–4 The History of Acting.
509–4 The High School Theater and Its Production Problems.
519–1 to 12 Theater Practicum.
526–3 to 12 Seminar in Theater Arts.

ASSOCIATE DEGREES

Child Care Services

101–4 Child Care. An introduction to the development of children from infancy to year seven. Observations in preschool centers and principles of preschool education.
103–2 Child and Nutrition. Nutritional needs of the young child. The establishment of good food habits. The individual child and his feeding behavior.
105–3 Language Arts. The development of language and cognition in the preschool child. A study of appropriate literature, story telling, and creative dramatics. The presentation of projects in preschool centers and their evaluations. Prerequisite: 101.
107–2 Health and First Aid. The physical needs, development, and care of the young child.
109–5 (2,3) Personal Interaction. (a) Analysis of interpersonal relations with an emphasis on the role development in preschool centers of teachers, directors, and aides within the educational facility. (b) Analysis of interpersonal relations with an emphasis on teacher-parent and teacher-community interaction. Must be taken in a,b sequence.
111–2 Audio-Visual Aids. The study of films, filmstrips, and other materials suitable to the preschool child and the development of skills in operating audio-visual equipment. Artistic preparation and display of materials for children and parents.
115–2 Art and Music. Creative arts materials suitable for the preschool child and methods of presentation. Appropriate musical instruments and experiences. Development of projects; their presentation and evaluation in preschool centers.
117–6 (3,3) Science and Nature. (a) Introduction to general knowledge in biological and natural sciences that the student must know to develop experiences for the child under seven. (b) The development of projects in the natural and physical sciences appropriate to the young child; their presentation and evaluation in preschool centers. Must be taken in a,b sequence.
203–3 Parent and Community. Through contacts, both individual and group, the student experiences ways of working with the parents of children under seven. Some focus is given to the relationship of community agencies to educational centers and parents. Prerequisites: 101, 109, or consent of adviser.
207–4 Administration of Preschool Centers. Policy and ethics of the preschool center, selection of personnel, records and record keeping, the purchase of appropriate equipment, toys and materials, state regulations and licensing. Prerequisite: consent of adviser.
209–4 Preschool Practicum. Field experience in a preschool center combined with total program planning and child guidance. Prerequisite: sixth quarter standing or consent of adviser.
211–4 Socially Disadvantaged Child. Sociology of the disadvantaged and special needs of the preschool child.

9 / Faculty

Business Division

Accounting

Professors Vern Vincent, Ph.D.; Stuart White, A.B., J.D.
Associate Professors James Eaton, Ph.D.; Irwin Jarett, Ph.D. *(Chairman);* Richard Milles, M.S., C.P.A.
Assistant Professor Burton Nissing, M.S., C.P.A.
Instructor Larry Dann, M.B.A.

Business Administration

Professors Walter Blackledge, Ph.D.; Paul Cone, Ph.D. *(Chairman);* Homer Cox, E.D.; Arthur Hoover, Ph.D.; Kenneth Myers, Ph.D.; Ralston Scott, Ph.D.; William Wait, Ph.D.
Associate Professors Marshall Burak, Ph.D.; S. Kumar Jain, Ph.D.; Hans Steffen, Ph.D.
Assistant Professors Donald Kenoyer, Ph.D.; George Mancuso, M.S.; Richard McKinney, Ph.D.; Robert Turrill, Ph.D.; Edward Welch, B.S., L.L.B.
Instructors Morris Carr, M.S.; William Gardner, M.S.; Edward Harrick, M.B.A.; James Miller, M.S.; Luther Statler, M.S.
Lecturer John Penrose, M.S.

Business Education

Professor Mary M. Brady, Ed.D.
Associate Professors Bonnie Favrot, Ph.D.; Carl Hall, Ed.D.; Gene Houser, Ph.D.; Patricia Patsloff, Ed.D.; Robert Schultheis, Ph.D. *(Chairman).*
Instructor Mary Vaughn, M.S.

Economics

Professors Leo Cohen, Ph.D.; Louis Drake, Ph.D.; Howard Dye, Ph.D. *(Chairman);* John Leonard, Ph.D.
Associate Professors Rasool Hashimi, Ph.D.; Michael Keran, Ph.D.; Don Livingston, Ph.D.; David Luan, Ph.D.; Gilbert Rutman, Ph.D.; Ann Schwier, Ph.D.
Assistant Professors David Ault, Ph.D.; Albert Burger, Ph.D.; Robert Kohn, Ph.D.; An-Yhi-Lin, Ph.D.
Lecturer Daniel Ikenberg, M.A.

Management Science

Associate Professors Robert Hoeke, Ph.D. *(Chairman);* Lester Krone, M.S., D.Sc.; Boulton Miller, Ph.D.
Assistant Professors David Werner, Ph.D.; Glenn Wilson, Ph.D.
Instructor Judith Wagner, M.S.
Lecturers John Ingwersen, M.B.A.; John Megley, M.B.A.; John Phillips, M.S.; Don Rogier, M.S.

Marketing

Professors James Gwin, Ph.D.; David Luck, Ph.D. *(Chairman).*
Instructors E. T. Mauger, M.B.A.; Michael Mirvis, M.B.A.
Lecturer Daniel Bosse, M.B.A.

Education Division

Counselor Education

Professors Joann Chenault, Ed.D.; Charles Combs, Ed.D.; Howard V. Davis, Ed.D.; Donald T. King, Ed.D.; Cameron W. Meredith, Ph.D.; Daniel W. Soper, Ph.D.
Associate Professors John J. McBride, Ed. D. *(Chairman);* William Mermis, Ph.D.; James J. Pancrazio, Ed.D.; Dean E. Rochester, Ed.D.; Raymond E. Troyer, Ph.D.
Assistant Professors Helen Ederle, M.A.; Thomas D. Evans, Ph.D.; Virginia Moore, Ed.D.; John R. Reiner, M.A.; Donald Repovich, Ed.D.; William R. Whitney, Ph.D.
Instructors William D. Burcky, M.A.; Robert S. Gilland, M.S.; David R. Van Horn, M.S.

Educational Administration and Supervision

Professors George C. Ackerlund, Ph.D.; Robert G. Andree, Ed.D.; H. Bruce Brubaker, Ed.D.; Leonard B. Wheat, Ph.D.; W. Deane Wiley, Ph.D.; George T. Wilkins, M.A.
Assistant Professors David Buckholdt, Ph.D.; Austin Helsel, Ed.D.; Stefan Krchniak, Ph.D. *(Chairman);* Milo Pierce, Ph.D.

Elementary Education

Professor David E. Bear, Ed.D.
Associate Professors Regan Carpenter, Ed.D.; James M. Comer, Ed.D.; Ruth W. Richardson, Ed.D.; Charles J. Turner, Ed.D.
Assistant Professors Donald Darnell, Ed.D.; Arthur E. Jordan, Ed.D. *(Chairman);* Roy S. Steinbrook, Ed.D.
Instructors Harriet Doss, M.S.; Betty Jo Kuenzli, M.S.; Naomi Naylor, M.S.; Robert E. Rockwell, M.S.; Dartha F. Starr, M.S.

Foundations

Professors Robert E. Mason, Ph.D. *(Chairman);* Ralph W. Ruffner, Ed.D.; Francis T. Villemain, Ed.D.; G. K. Dale Wantling, Ph.D.
Associate Professors Gene D. Allsup, Ph.D.; Gerard Lucas, Ph.D.
Assistant Professors Dudley A. Curry, Ph.D.; David C. Hofmann, Ed.D.
Instructors Robert Hildebrand, M.S.; Jerome A. Popp, M.S.; Rosanda R. Richards, M.A.; Harvey Taylor, M.A.

Health, Recreation, and Physical Education

Associate Professor Zadia C. Herrold, P.E.D. *(Chairman).*
Assistant Professors Rosemarie Archangel, Ph.D.; Arthur L. Grist, M.P.H.; Walter C. Klein, H.S.D.; Norman E. Showers, Ed.D.
Instructors Eldon Bigham, M.S.; Louis A. Bobka, M.S.; William L. Brick, M.S.; Wilfred Buddell, M.S.; Harry J. Gallatin, M.A.; Robert M. Guelker, M.S.; Larry D. Kristoff, M.S.; Roy E. Lee, M.A.; George C. Luedke, Jr., M.P.E.; Myrna L. Martin, M.S.; Larry N. Moehn, M.S.; Jack J. Whitted, M.S.
Lecturer Sara Carpenter, B.S.

Inquiry

Professors Joann Chenault, Ed.D.; Charles F. Combs, Ed.D.; Robert L. Hamblin, Ph.D.; Bryce B. Hudgins, Ph.D. *(Chairman);* Robert E. Mason, Ph.D.; Nicholas A. Masters, Ph.D.

Instructional Materials

Professors Boyd Mitchell, Ed.D.; Frederick J. C. Mundt, Ph.D.
Associate Professor Eldon H. Madison, Ph.D. *(Chairman).*

Assistant Professors Orville Joyner, Ph.D.; Vykuntapathi Thota, Ph.D.
Instructor Robert E. Gilligan, M.S.

Psychology

Professors Eva D. Ferguson, Ph.D.; Bryce B. Hudgins, Ph.D.; Alfred E. Kuenzli, Ed.D.; Lawrence E. Taliana, Ph.D.
Associate Professors Erwin H. Brinkmann, Ph.D.; Robert O. Engbretson, Ph.D. *(Acting Chairman);* David Kohfeld, Ph.D.; Robert Lamp, Ph.D.; John N. McCall, Ph.D.; Frank B. McMahon Jr., Ph.D.; Robert J. Russo, Ed.D.; Kathryn K. Skinner, Ph.D.; Fay H. Starr, Ph.D.; Richard P. Walsh, Ph.D.
Assistant Professors Ura J. Calhoun, Ph.D.; David L. Clodfelder, Ph.D.; Robert A. Daugherty, Ph.D.; Kenneth Kleinman, Ph.D.; Robert J. McLaughlin, Ph.D.; Gerald Robbins, Ph.D.; Billy J. Rogers, M.S.; Nicholas Reuterman, Ph.D.; Anthony Traxler, Ph.D.
Instructor Grady Williams, Ph.D.

Secondary Education

Associate Professors Gordon C. Bliss, Ed.D. *(Chairman);* Henry T. Boss, Ed.D.; Calvin W. Burnett, Ph.D.; George H. Goodwin, Ed.D.; S. Joseph Gore, Ph.D.; Merrill Harmin, Ph.D.; Olin L. Hileman, Ed.D.; Donald C. Madson, Ed.D.; John Schnabel, Ed.D.; Myllan Smyers, Ed.D.; Leslie J. Wehling, Ed.D.
Assistant Professors William P. Ahlbrand, Jr., Ph.D.; Warren L. Brown, Ed.D.
Instructors Emmet G. Beetner, M.A.; Robert M. Bruker, M.Ed.
Lecturers Donald R. Keefe, M.A.; Rudolph G. Wilson, M.A.

Special Education

Professor Mark M. Tucker, Ed.D.
Associate Professors Orval G. Johnson, Ph.D.; Ruby D. Long, Ed.D.; Charles V. Matthews, M.A.
Assistant Professors Daniel Ferritor, Ph.D.; V. Faye Shaffer, Ed.D.; William R. Whiteside, Ph.D. *(Chairman).*
Instructors Wayne Reinking, M.S.; Saville Sax, M.A.; Lynn Zenk, M.S.
Lecturer George Troutt Jr., M.S.

Fine Arts Division

Art and Design

Professors Harry H. Hilberry, Ph.D.; John A. Richardson, Ed.D.
Associate Professors Evelyn T. Buddemeyer, B.S.; William F. Freund, M.S.; Phillip J. Hampton, M.F.A.; Joy A. Holm, Ph.D.; David C. Huntley, M.A.; Leon Jacobson, Ph.D.; Catherine E. Milovich, M.A.
Assistant Professors John W. Cannon, Jr., M.F.A.; Don F. Davis, M.A. *(Chairman);* Lawrence L. Marcell, M.A.; Helen Smith, M.S.; Joseph E. Smith, M.S.; Michael J. Smith, M.F.A.
Instructors Paul L. Adkins, M.F.A.; Carl W. Sande, B.A.

Mass Communications

Professor John R. Rider, Ph.D. *(Chairman).*
Associate Professors John Regnell, Ph.D.; William G. Ward, M.S.
Assistant Professors Edmund Hasse, M.A.; Jack G. Shaheen, Ph.D.; James Treble, M.S.
Instructors John Moorman, M.S.; Harry A. Thiel, B.S.

Music

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